

Fig. 1a

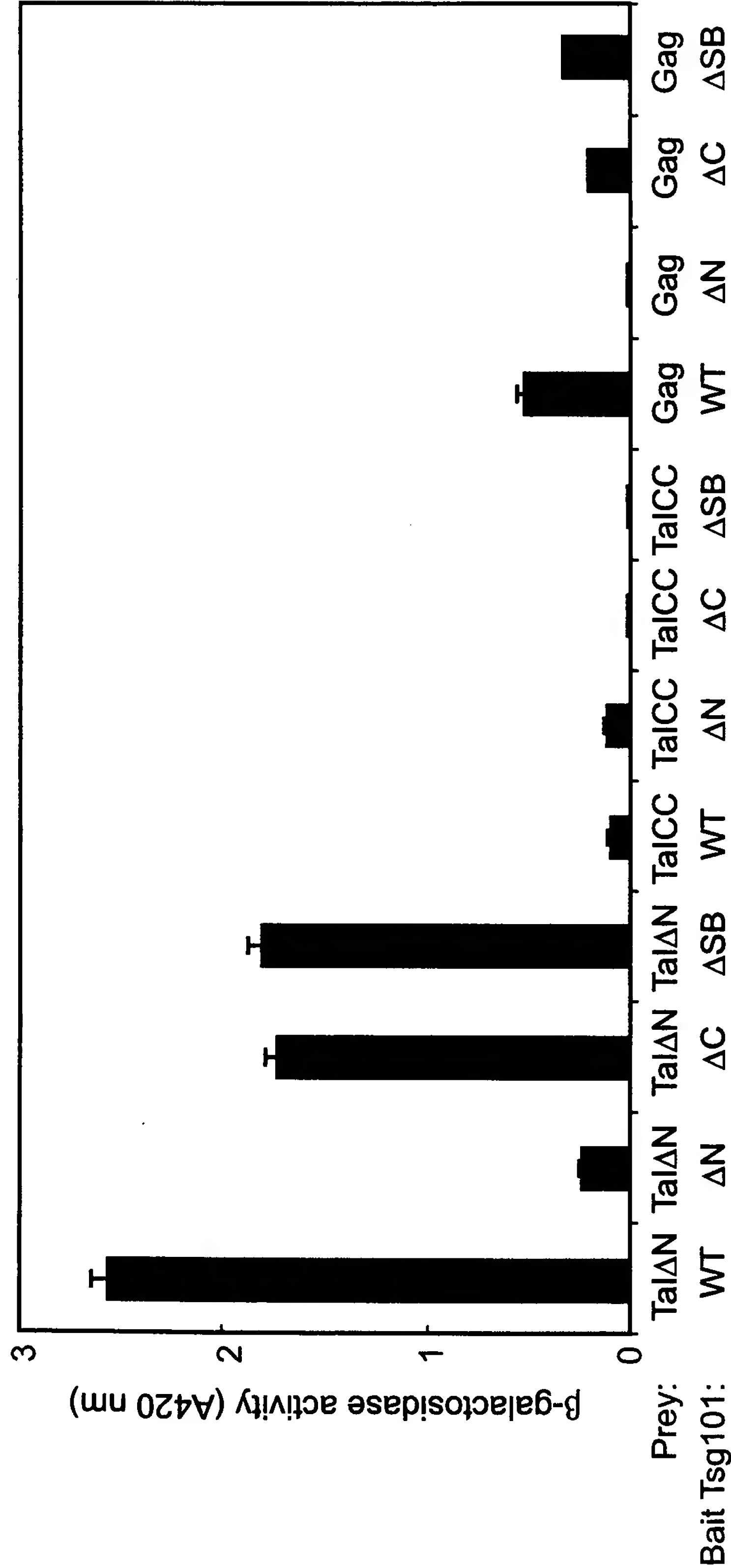


Fig. 1b

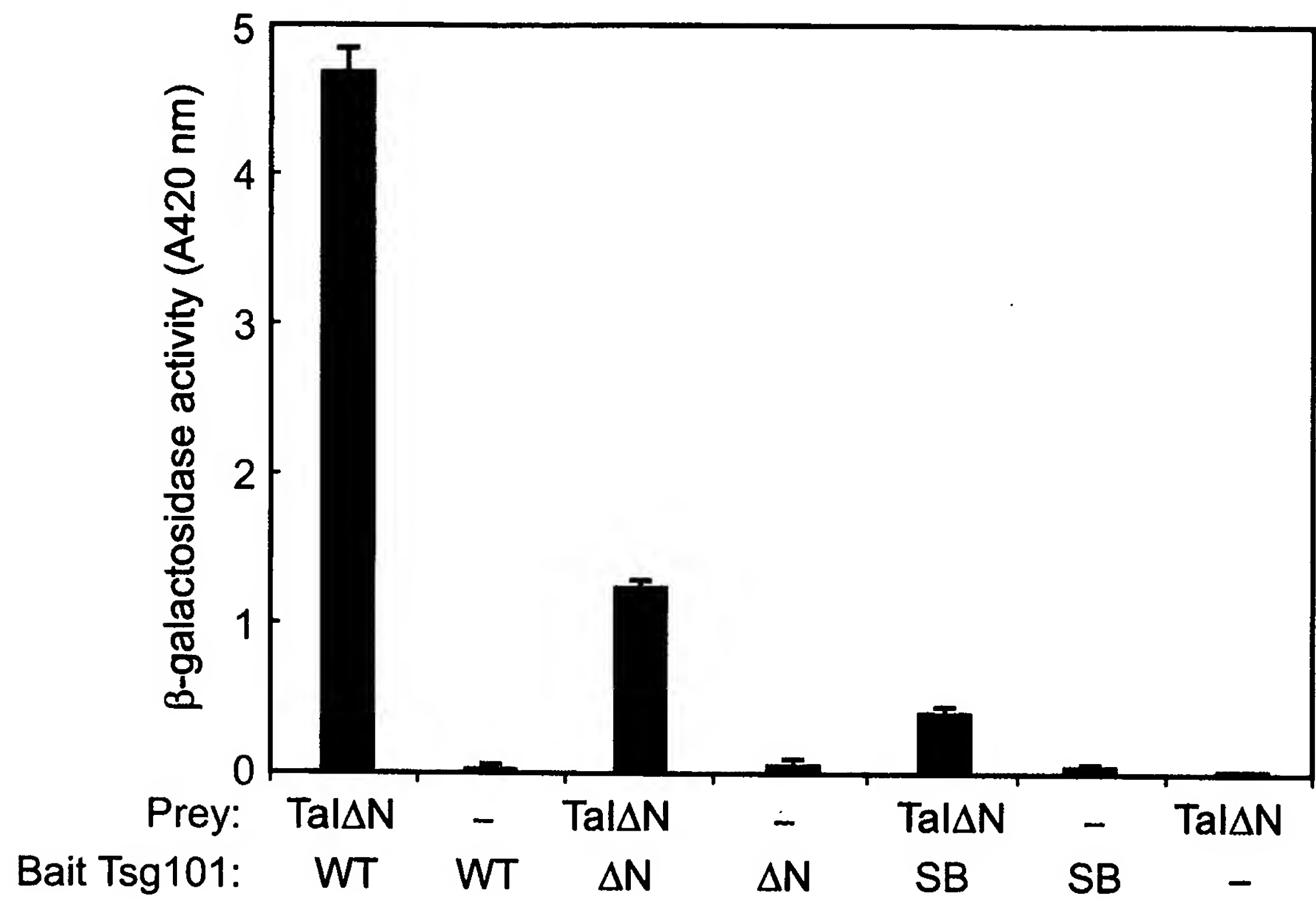


Fig. 1c

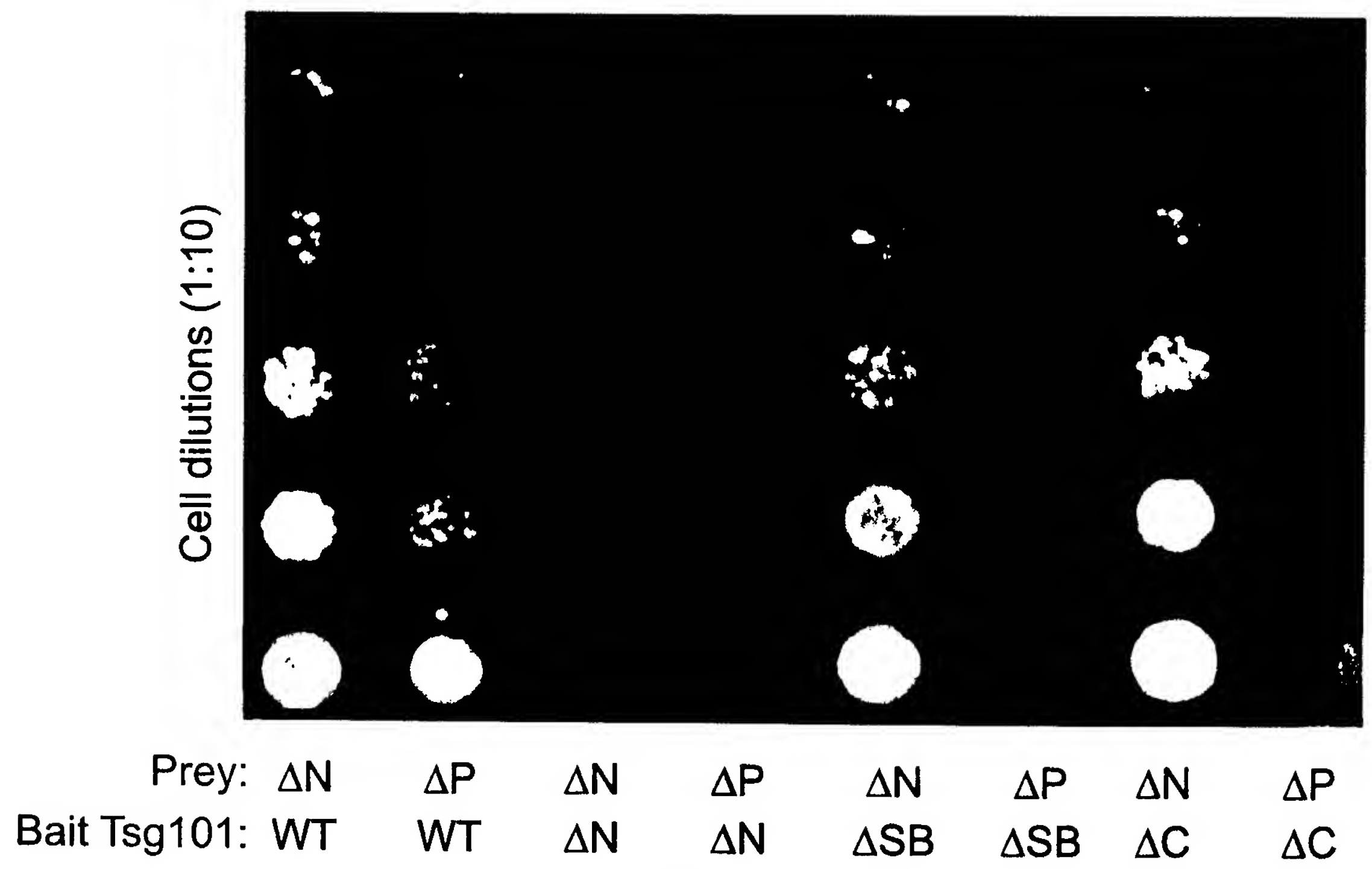


Fig. 1d

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101 GQLTALQVLN VERNQLMQLP RSIGNLTQLQ TLNVKDNKLK ELPDTVGELR
151 SLRTLNISGN EIQLRPQMLA HVRTLEMLSL DASAMVYPPR EVCGAGTAAI
201 LQFLCKESGL EYPPSQYLL PILEQDGIEN SRDSPDGPTD RFSREELEWQ
251 NRFSDYEKRK EQKMLEKLEF ERRLELGQRE HTQLLQQSSS QKDEILQTVK
301 EEQSRLEQGL SEHQRHLDAA RQRLQEQLKQ TEQNISSRIQ KLLQDNQRQK
351 KSSEILKSLE NERIRMEQLM SITQEETESL RRRDVASAMQ QMLTESCKNR
401 LIQMAYESQR QNLVQQACSS MAEMDERFQQ ILSWQQMDQN KAISQILQES
451 AMQKAAFEAL QVKKDLMHRQ IRSQIKLIET ELLQLTQLEL KRKSLDTESL
501 QEMISEQRWA LSSLLQQLLK EKQOREEELR EILTELEAKS ETRQENYWLI
551 QYQRLNPKP LSLKLQEEGM ERQLVALLEE LSAEHYLPF AHHRSLDLL
601 SQMSPGDLAK VGVSEAGLQH EILRRVQELL DAARIQPELK PPMGEVVT
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701 QPLRTCPLCR QDIAQLRIY HSS

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Fig. 2a

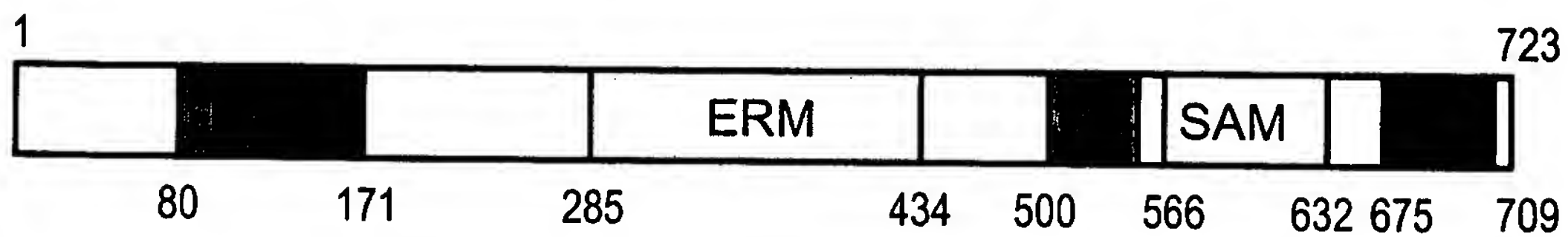
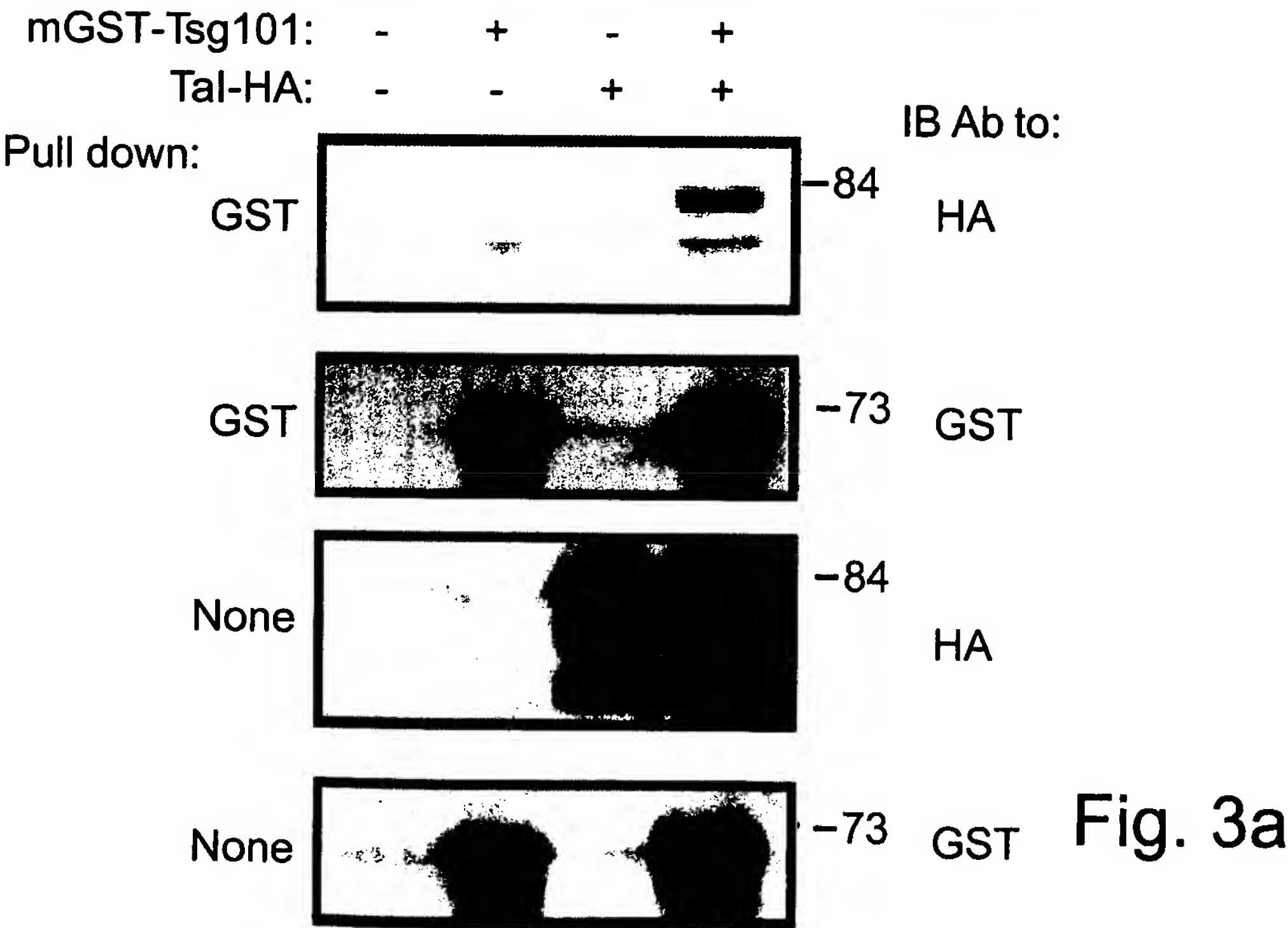
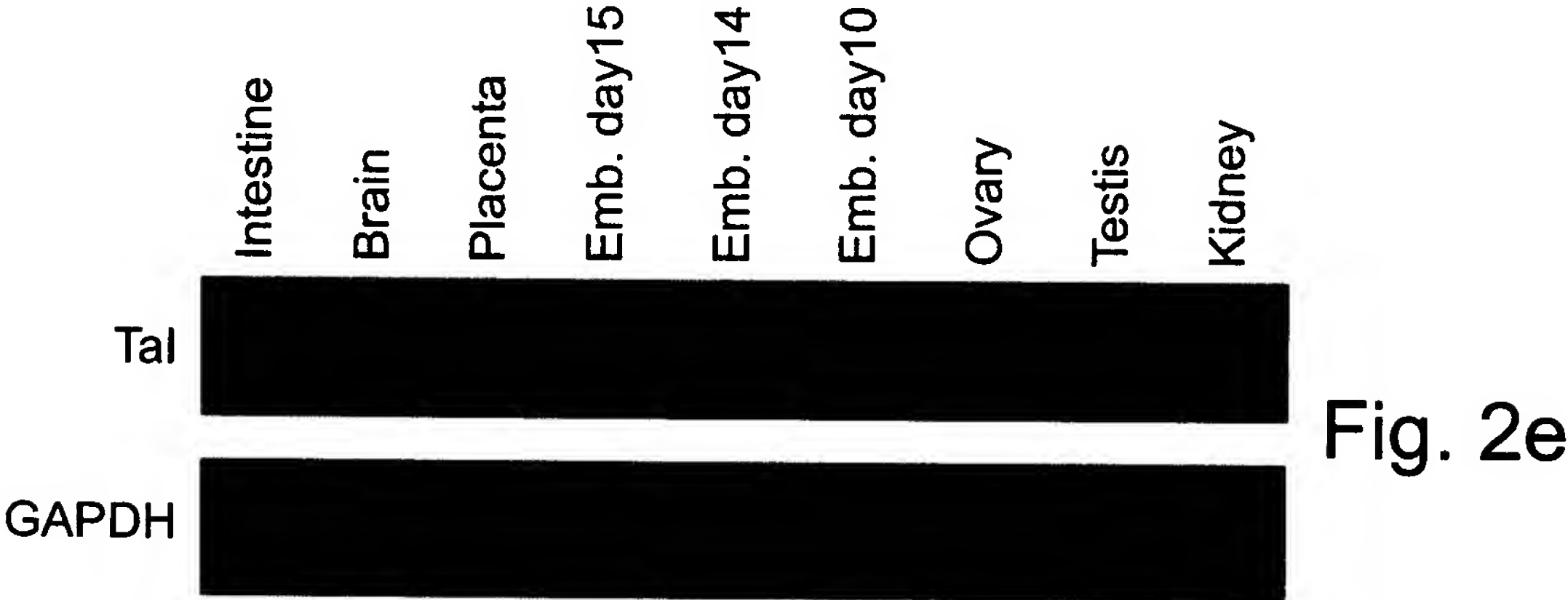
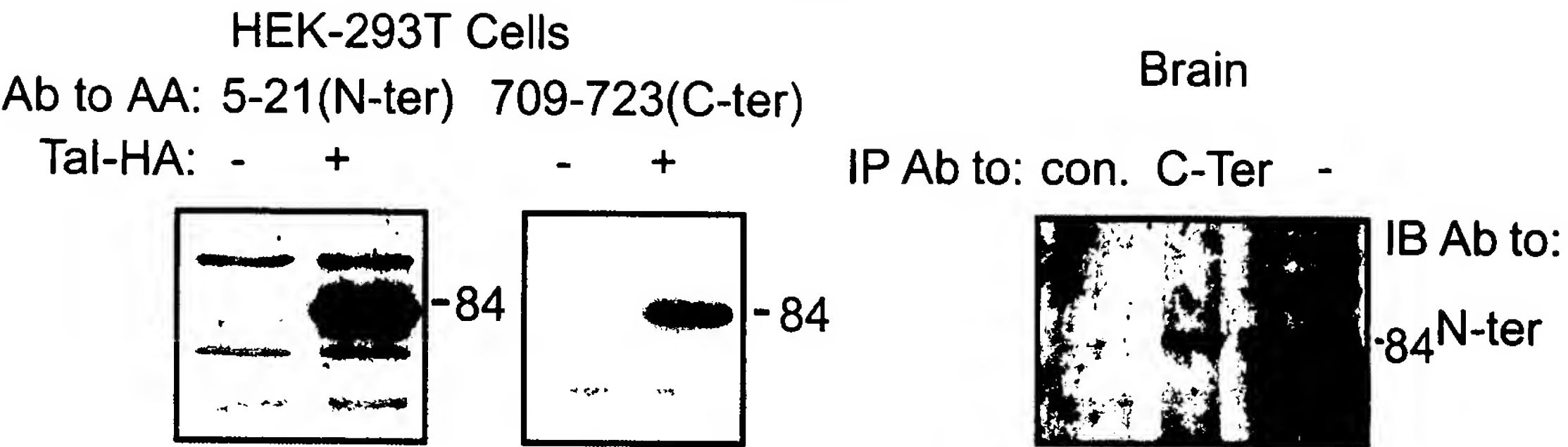


Fig. 2b

Mouse Rat Human Cinte	331 G311	Q K N K R F	H L V M	N	P R P L D	E V N L M	S Q R L T E S	L S L E	K H Q K M S C	79 79 79 78
Mouse Rat Human Cinte	V T S L E	B N R I A L K	M L V S K F	V	I N R I E E	D T K K	S L A Q	K S T I S G M B	E N G G	159 159 159 158
Mouse Rat Human Cinte	T K V L Y K T	C K M F	N D S V S N P A V B	N	R S M A C E L	V I L K R D	D D E I	A C K D S S A T T S	I R S S K Q T A	237 237 237 238
Mouse Rat Human Cinte	A S T R L A A N L . . . . C	L S S M D O Q	E S D K C	I S I A B O	C Y T A K	S O A K H E A K B N A	S A V P D	D H H C K K T	D H H C K K T	317 317 317 313
Mouse Rat Human Cinte	B I R S M N K T	T V S B A S R	L V N K V S M I	I G A Q R E M E	G M R R M B Q	E R P K V D I	S R D V S	S V A D N A	S V A D N A	397 397 197 593
Mouse Rat Human Cinte	N H Y A I A I K K L	C B O D H N T R	Q O T L O A D N B L	I E H E K R M	N G V L V D	H B S E B	I M K L Q H A V	Q A R L V E C Q	M K C Q	477 477 477 473
Mouse Rat Human Cinte	L Q G T R	T L A Q N Y H R I	S Q D K Q T I F T	N R T D T	Q H	R E T V M	Q Q R D V D P	V K K D	V K K D	557 557 557 553
Mouse Rat Human Cinte	T R V V Q K	H V D P F R R	E Q R S J A F	S A R H H T M	G	R S I P T	R R N R Y B	D A E I	D A E I	637 637 637 632
Mouse Rat Human Cinte	D E T S D E . . . .	L A L V S . . . . T	P . . . . H P	Q S I S Q D D V	Q T . S S	D N S D T I	K A P I	S T Q C S M	S T Q C S M	712 712 708 707
Mouse Rat Human Cinte	B S K S S D V A K I K									727 727 723 721

Fig. 2c

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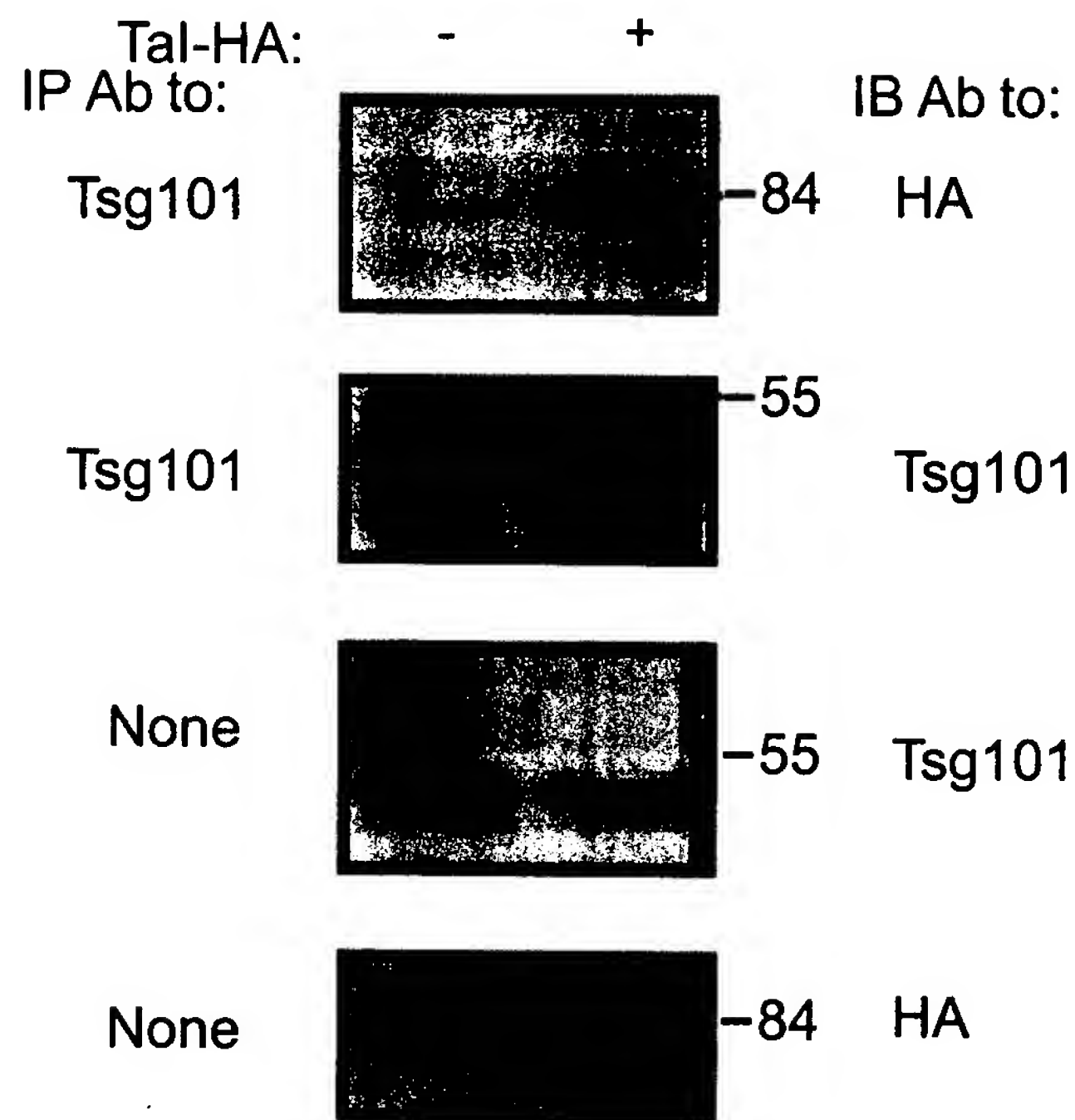


Fig. 3b

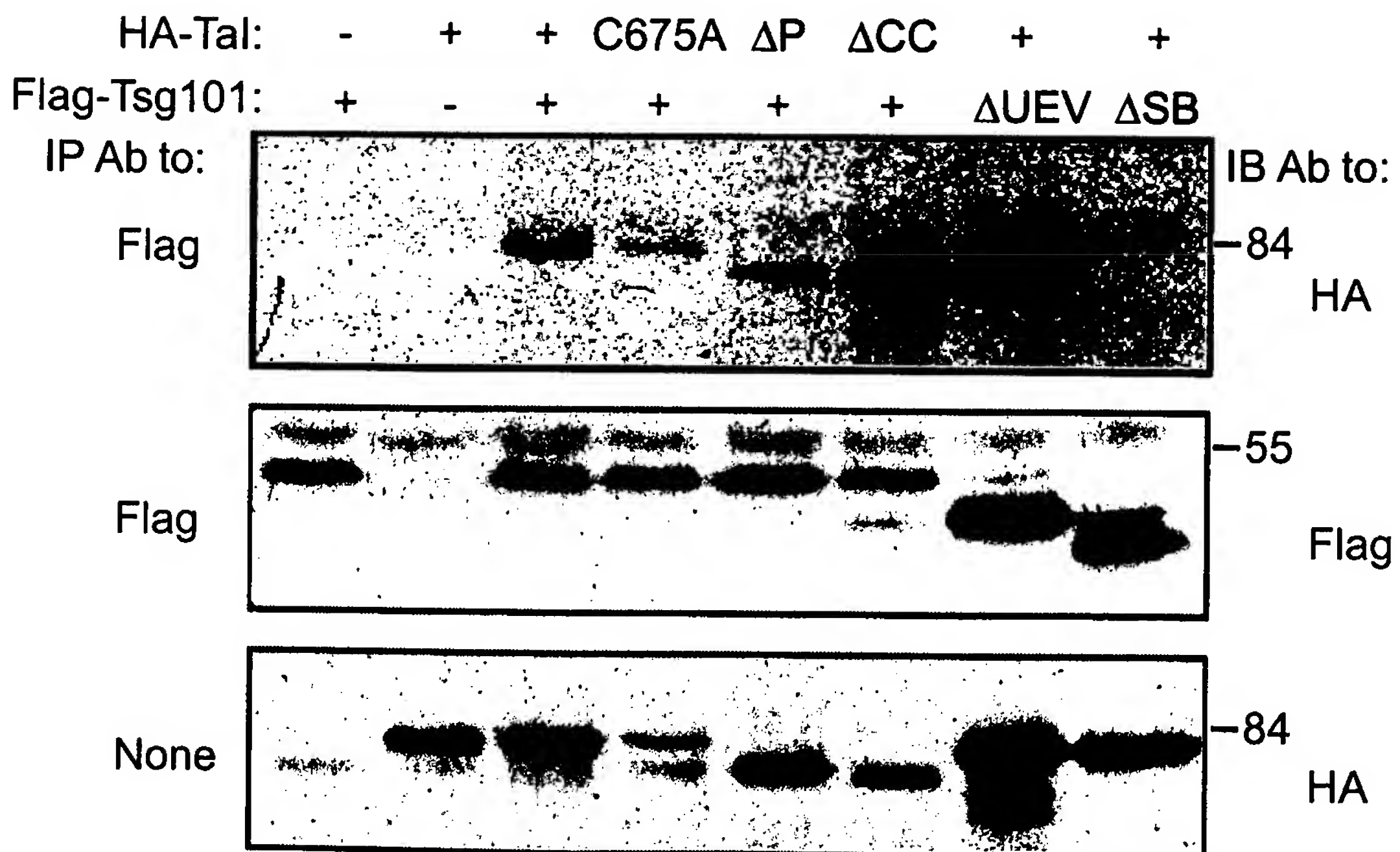
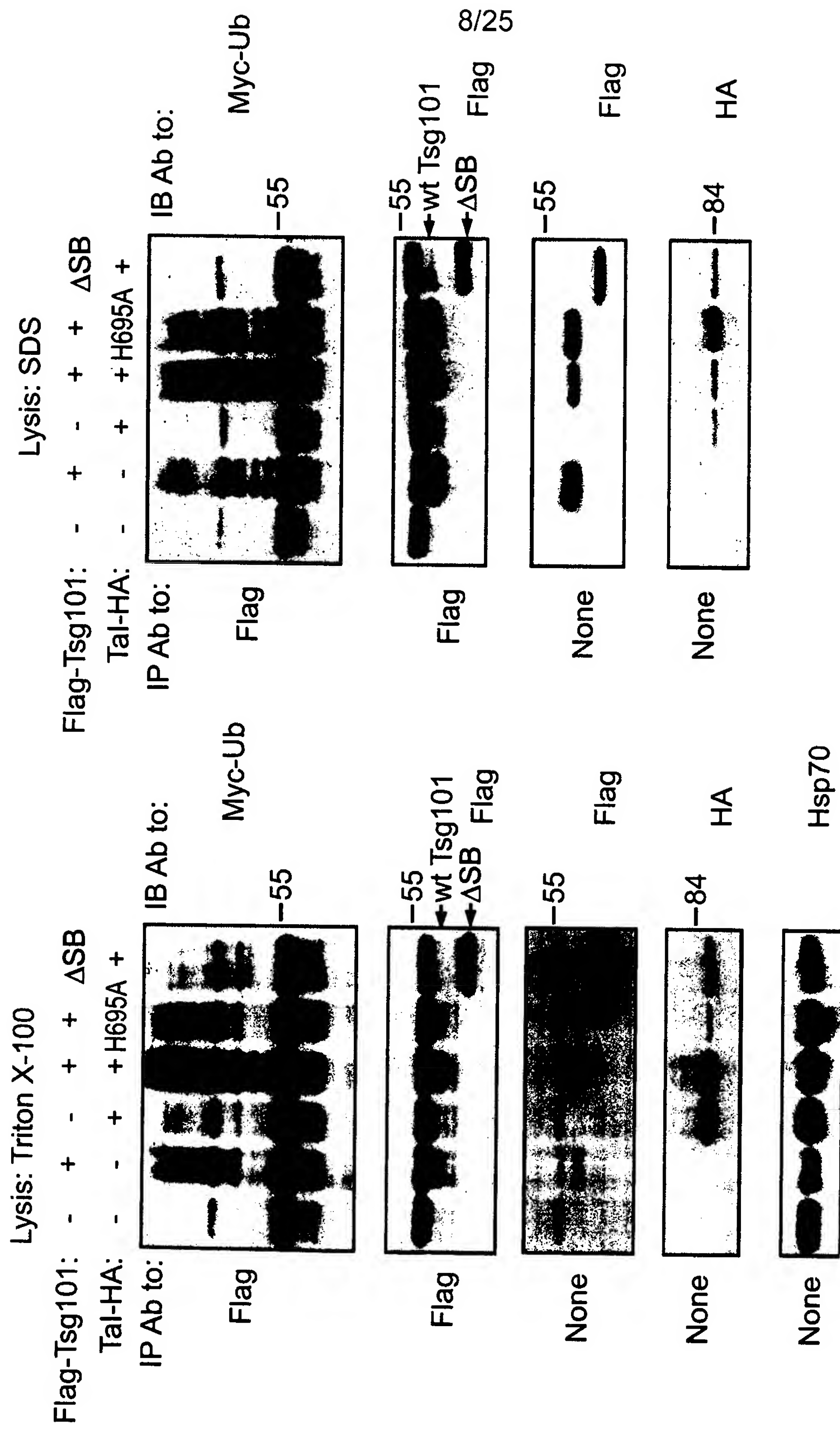


Fig. 3c





**Fig. 4a**

**Fig. 4b**





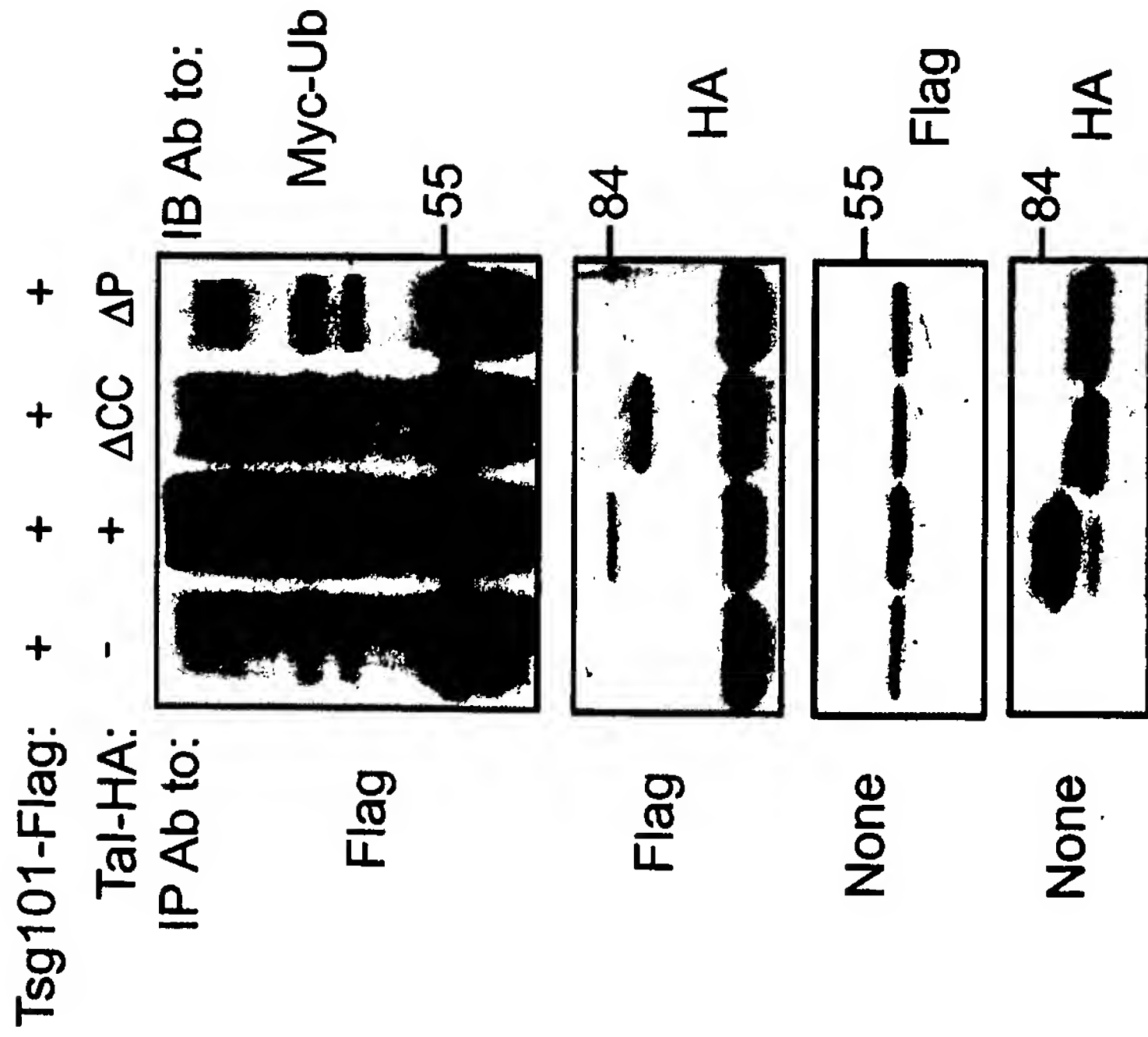


Fig. 5a

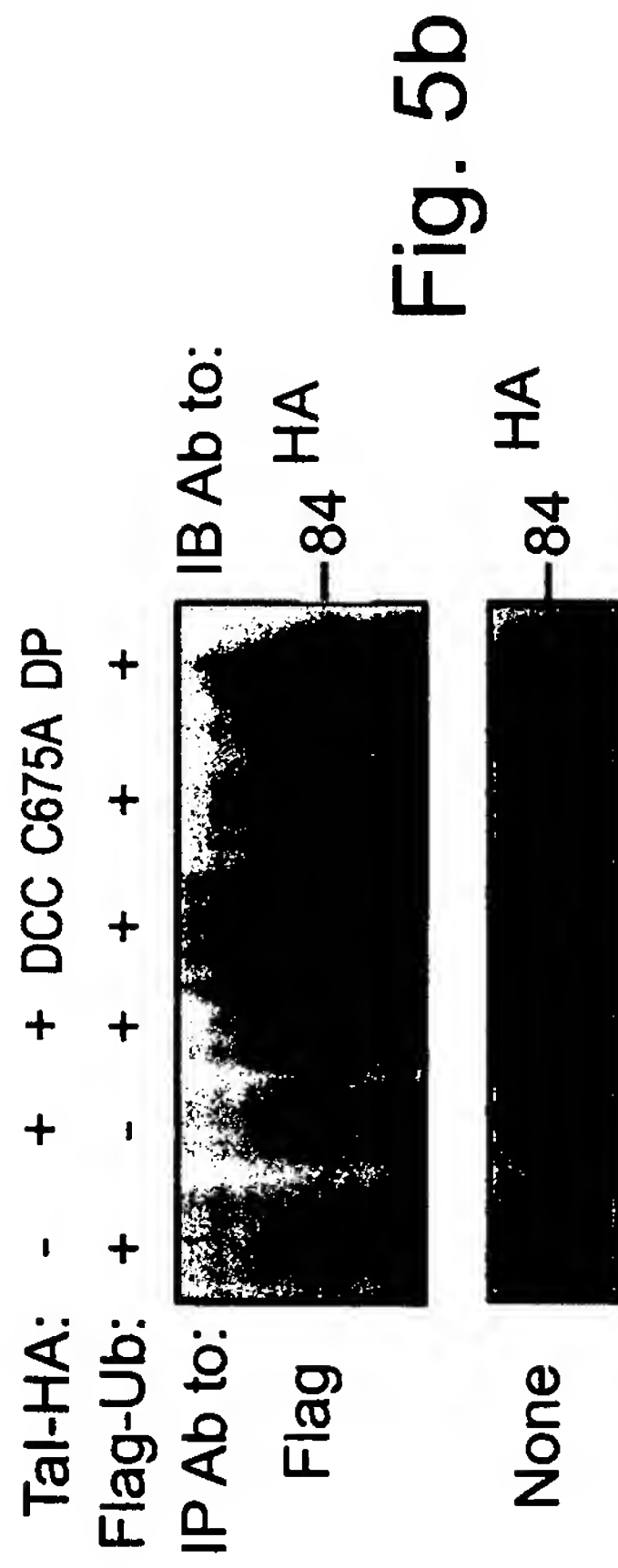


Fig. 5b

E1: + + + + +

E2: + + + + +

$^{125}$ I-Ubiquitin: - + + + +

Tal-HA: + - + + +

C675A H695A

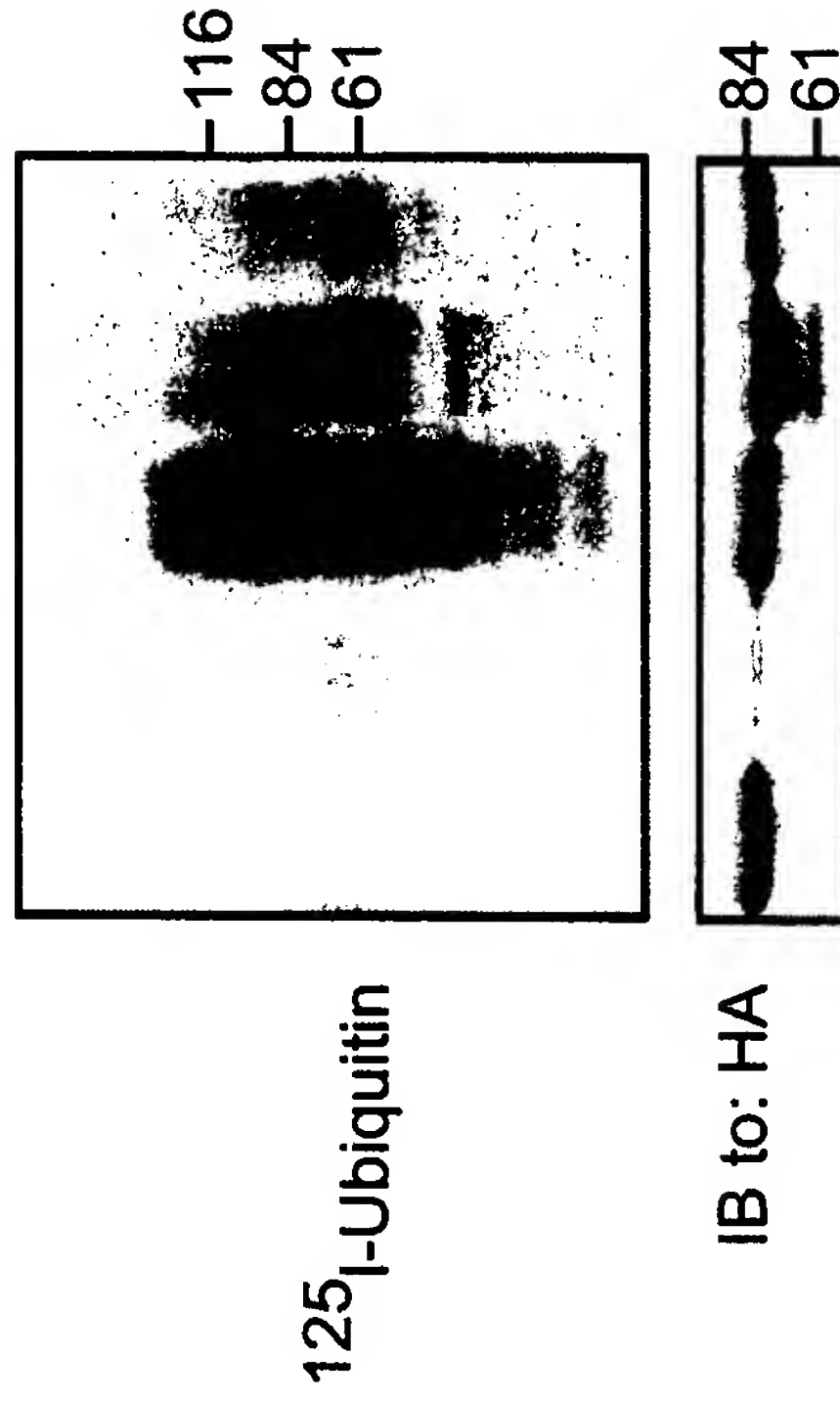


Fig. 5c

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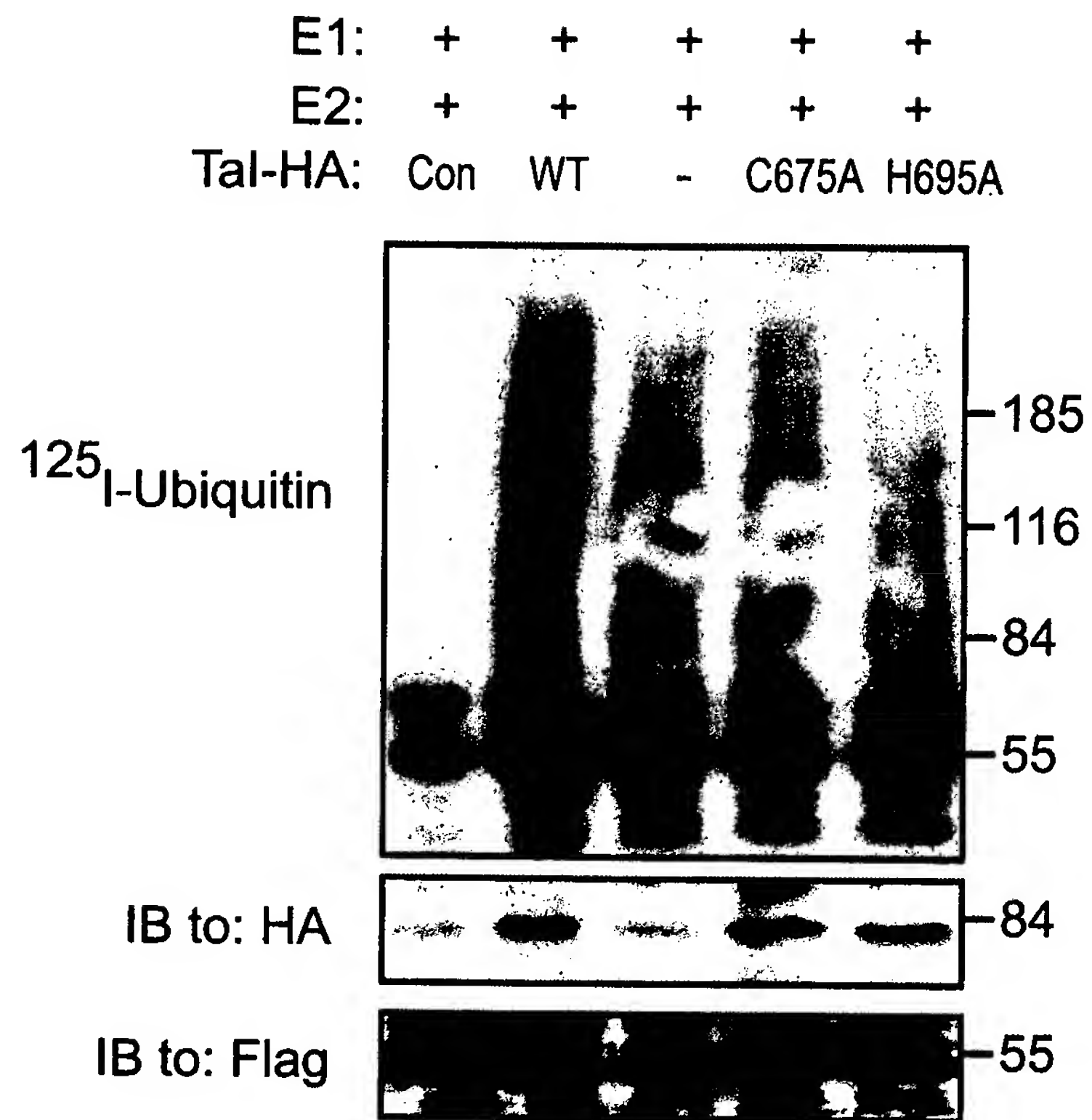


Fig. 5d

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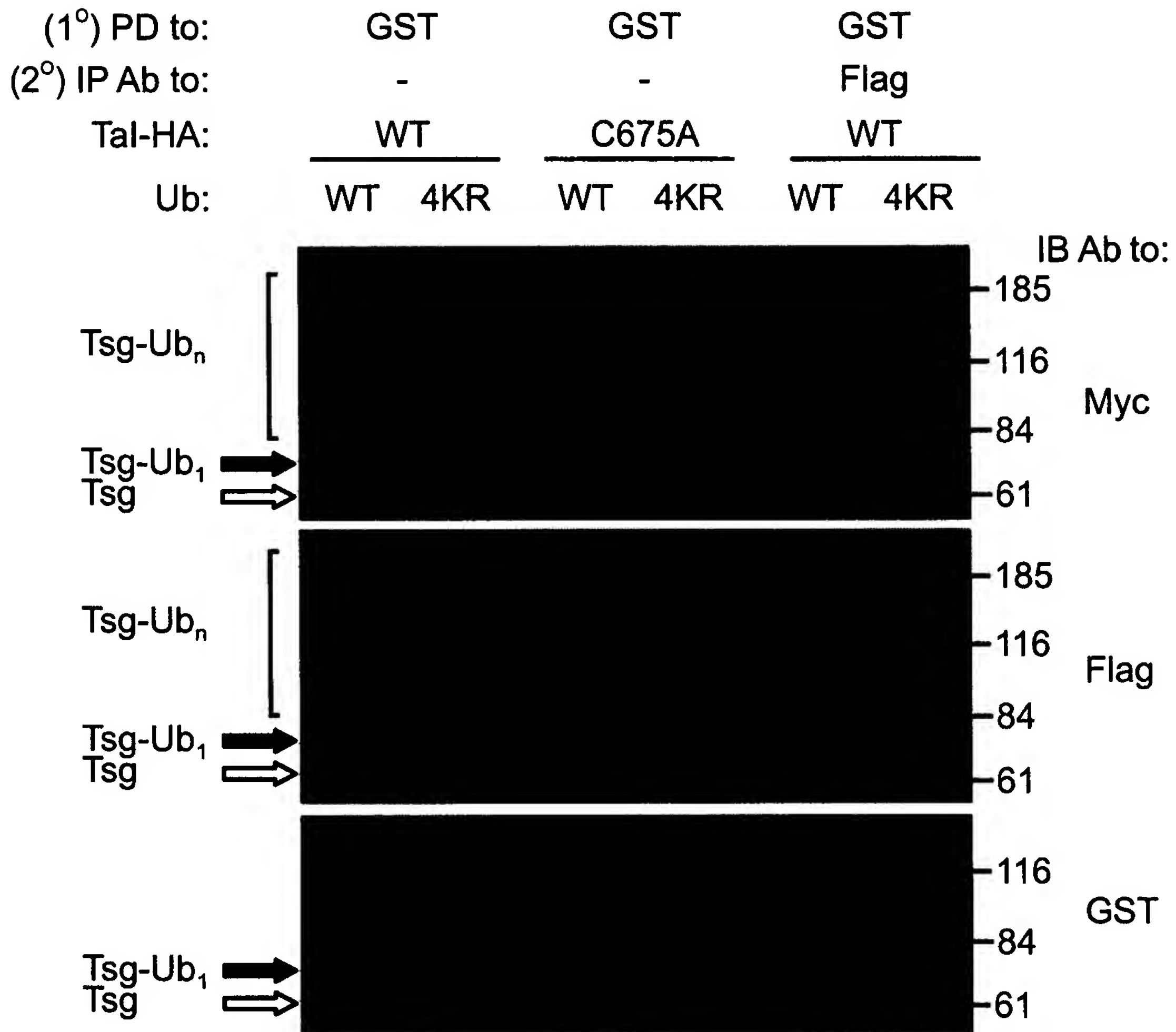


Fig. 5e

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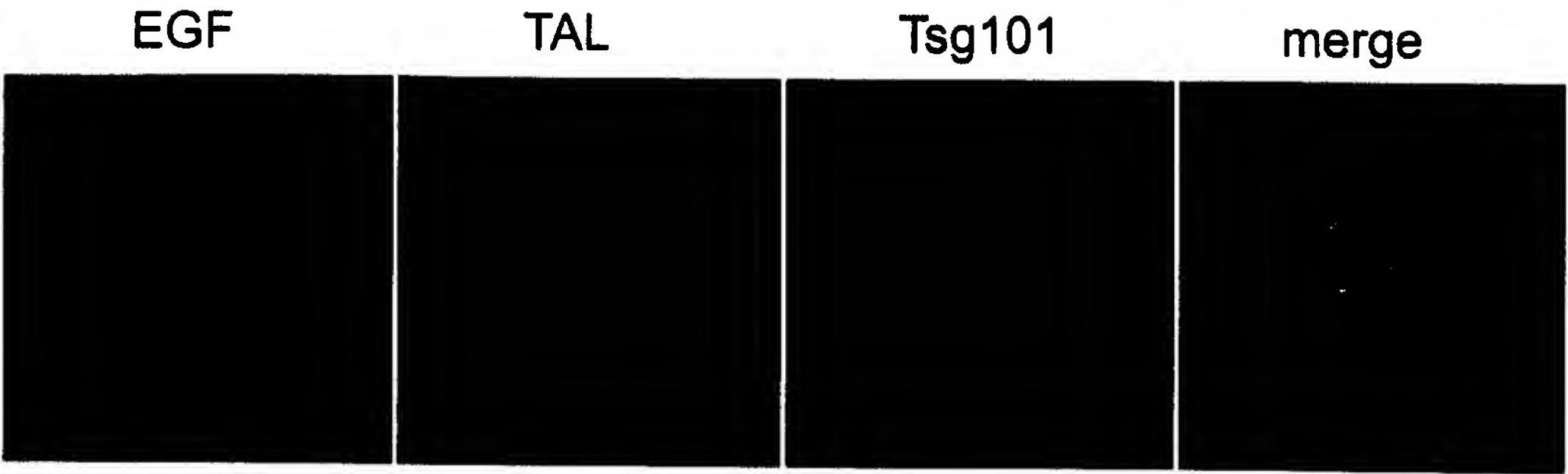


Fig. 6a

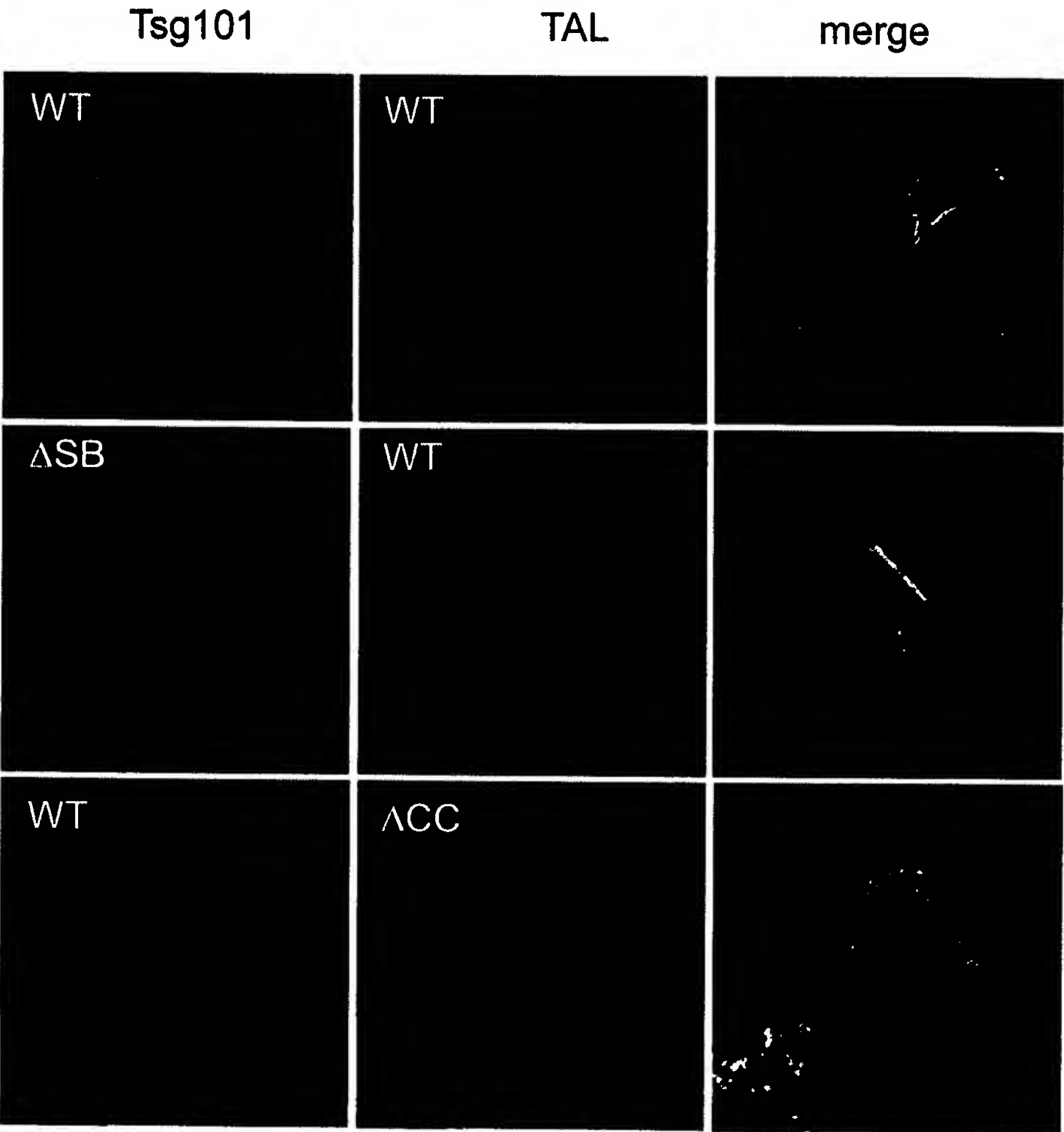


Fig. 6b

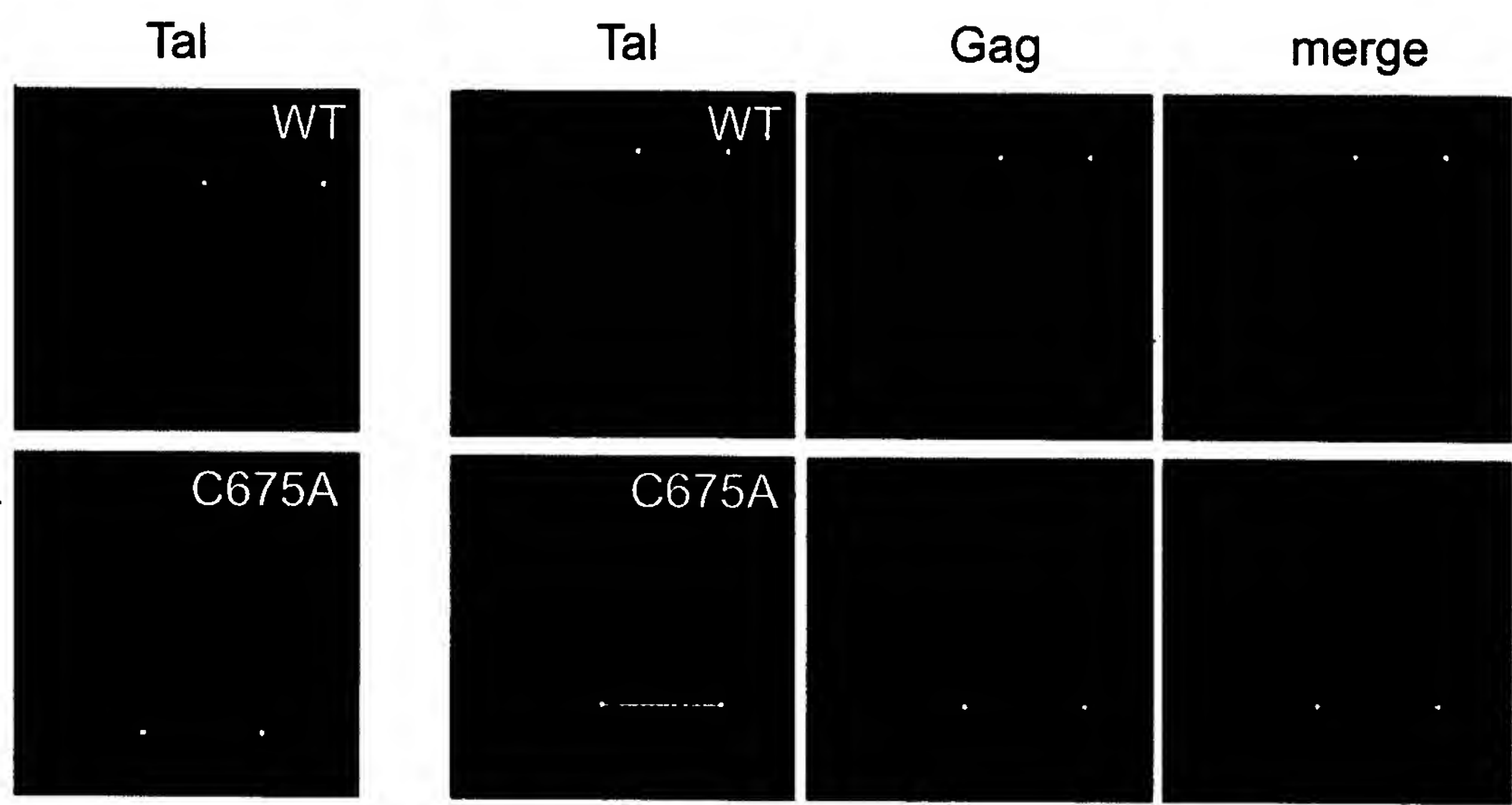


Fig. 6c

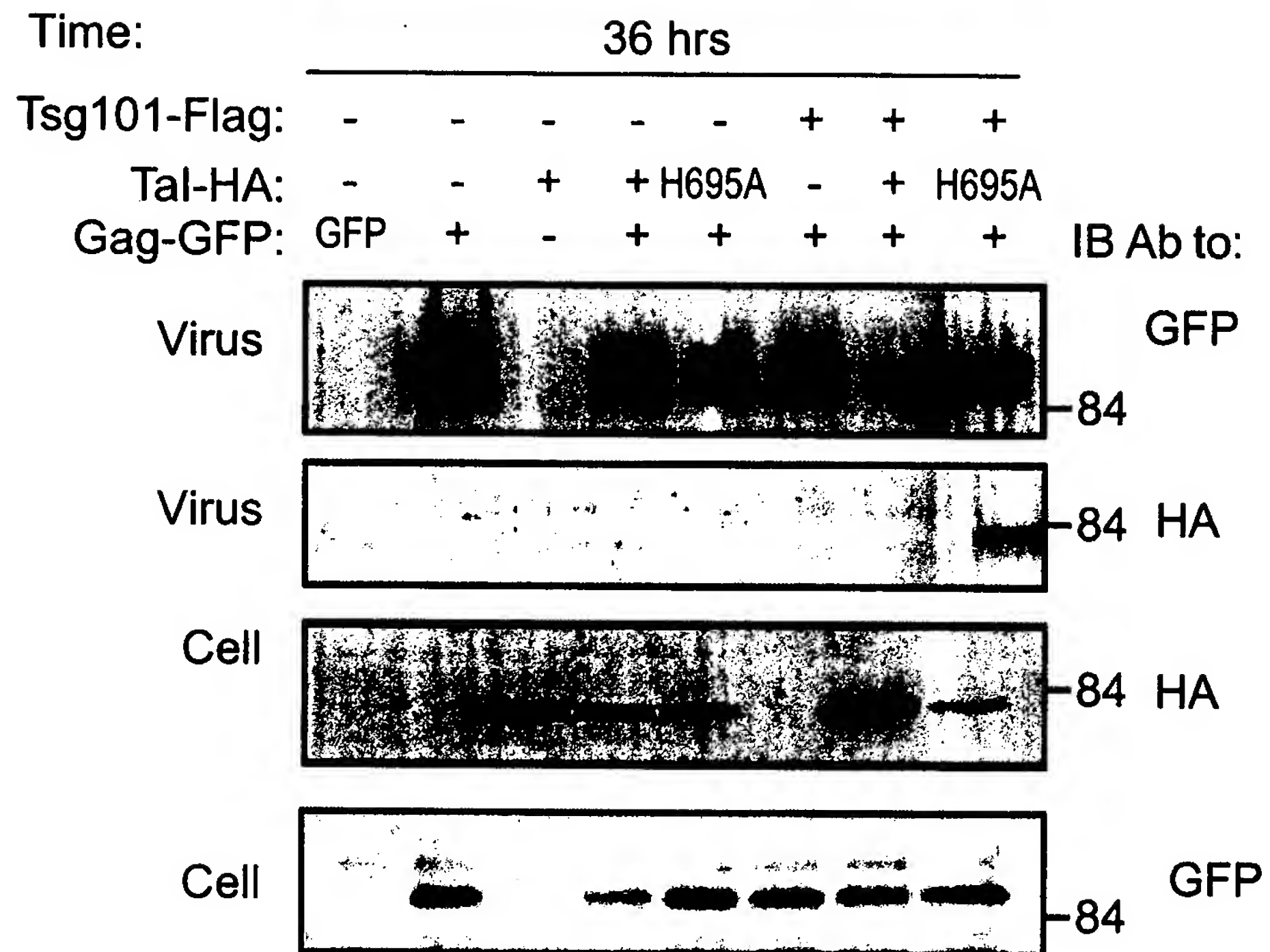
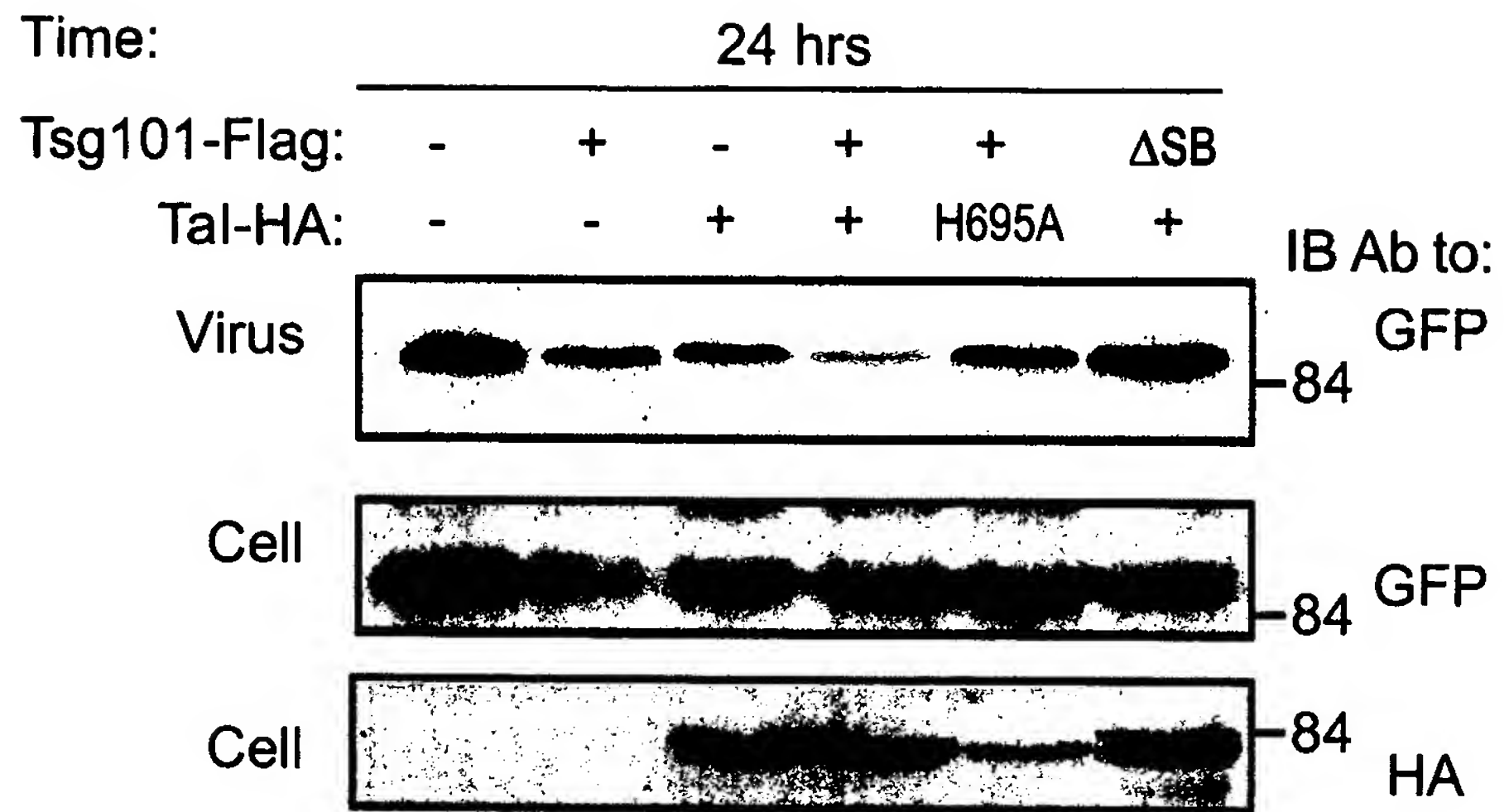


Fig. 7a



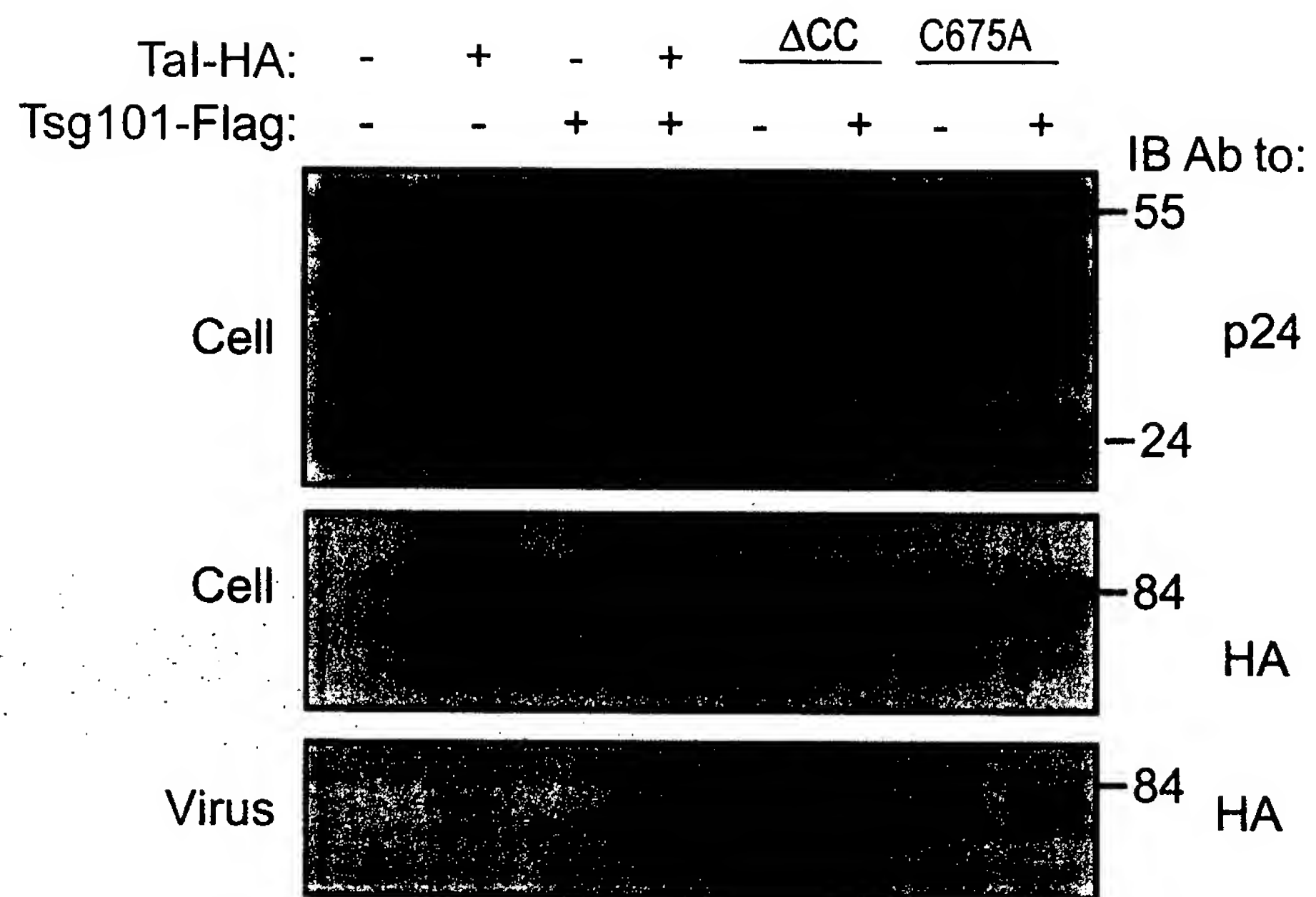


Fig. 7b

Tsg101-Flag:	-	-	-	+	+	-	+	+
Tal-HA:	-	-	+	-	+	$\Delta$ CC	$\Delta$ CC	+
Gag:	-	+	+	+	+	+	+	-

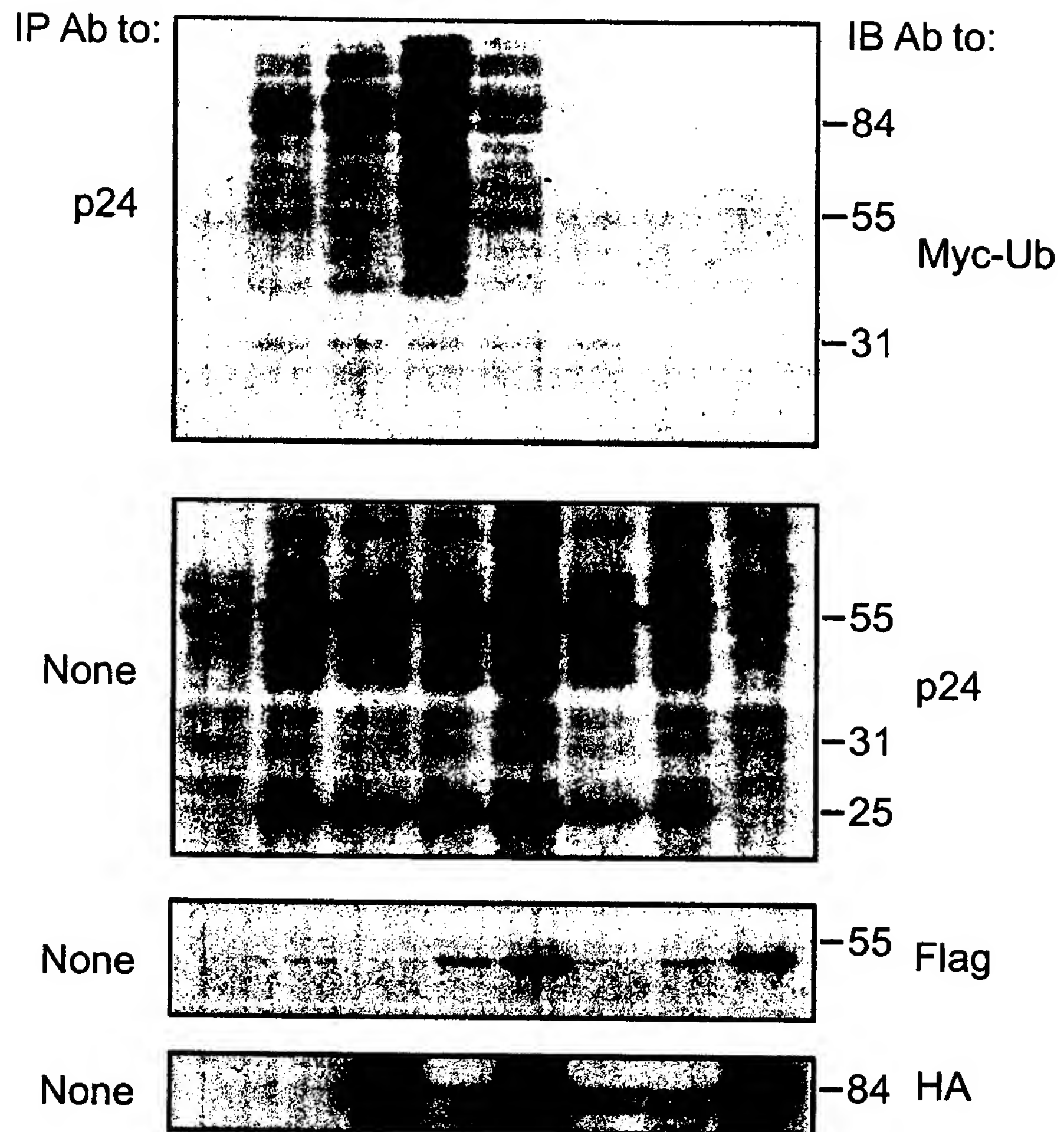


Fig. 7c

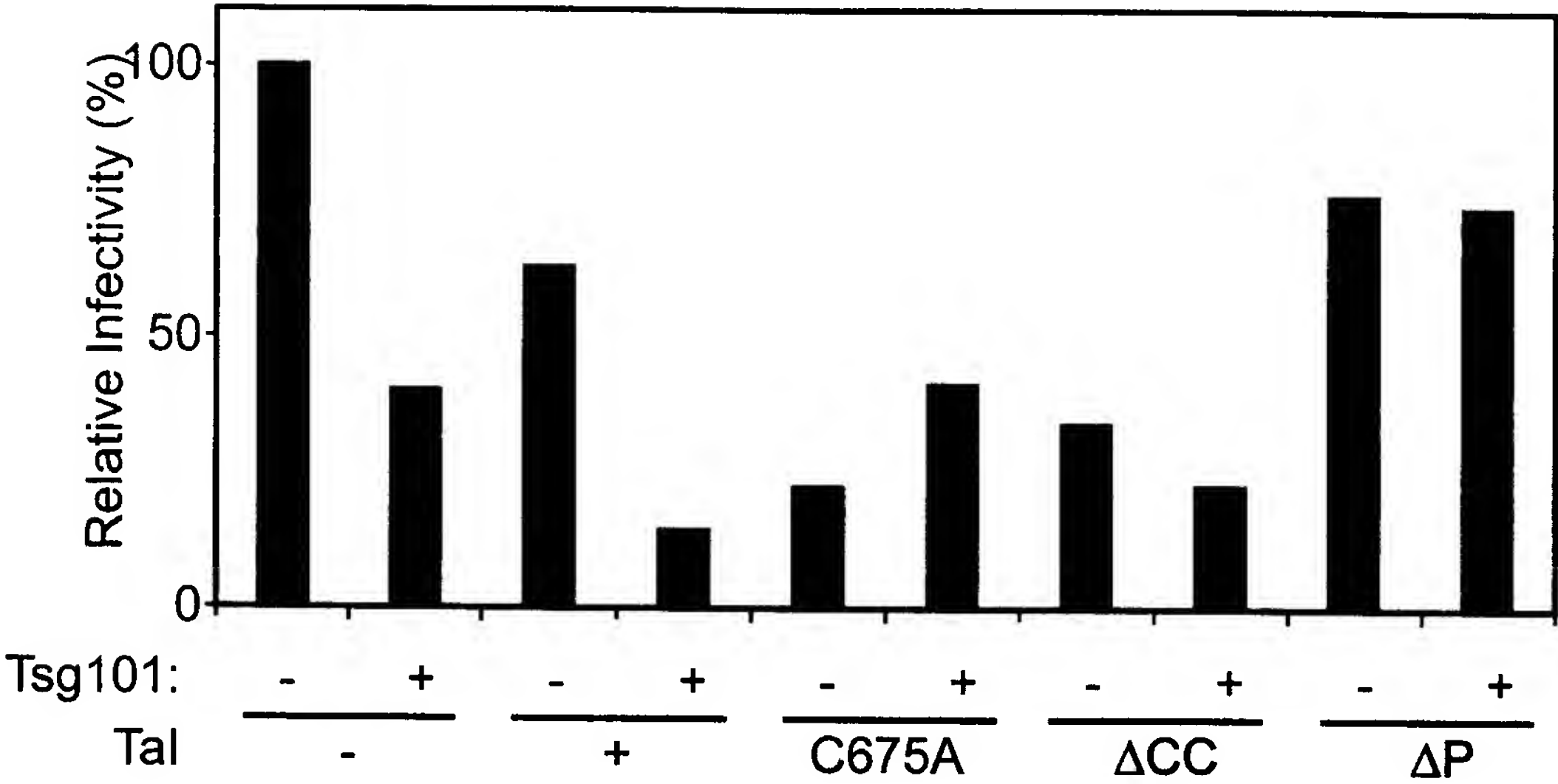


Fig. 7d

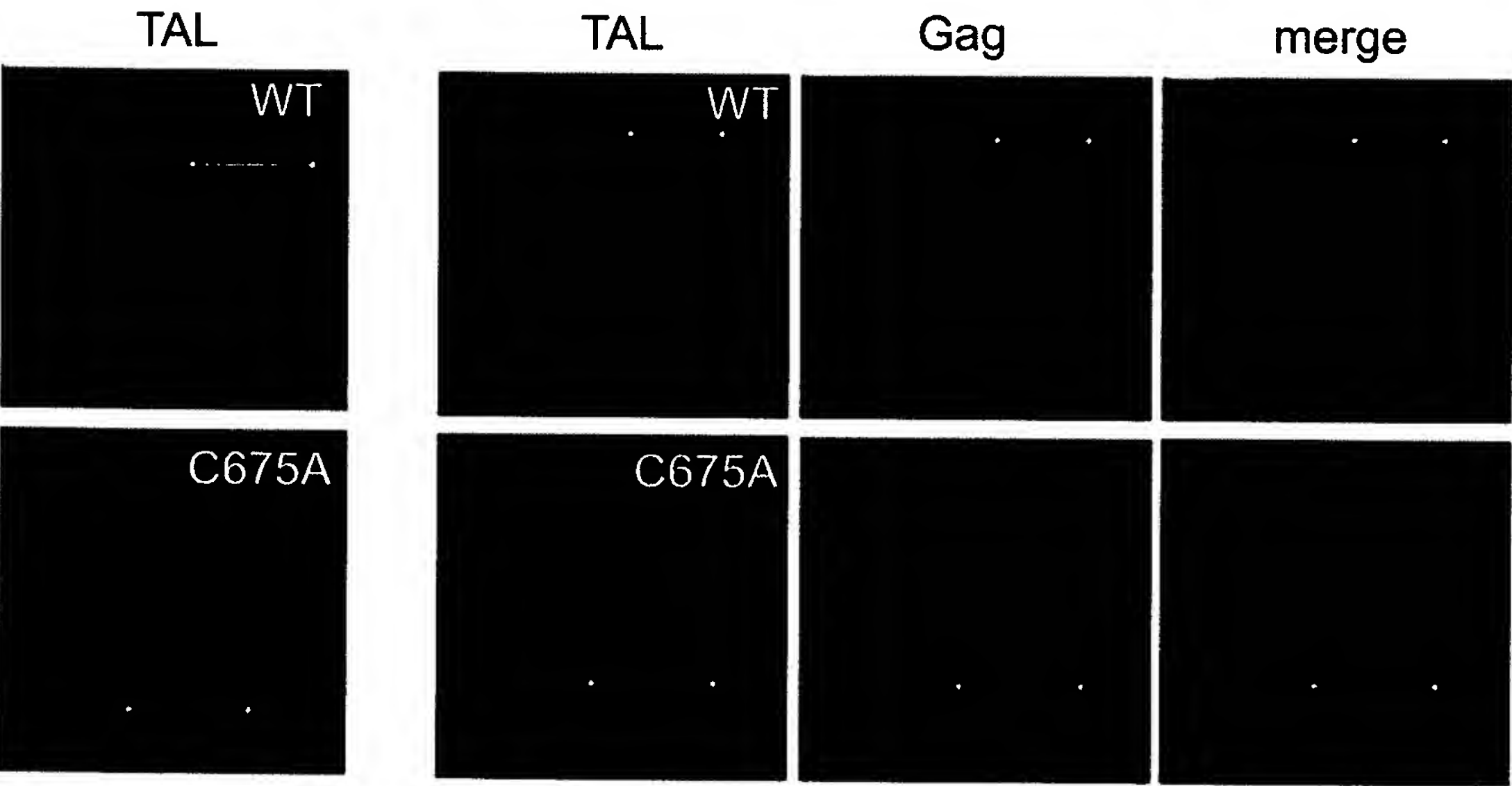


Fig. 7e

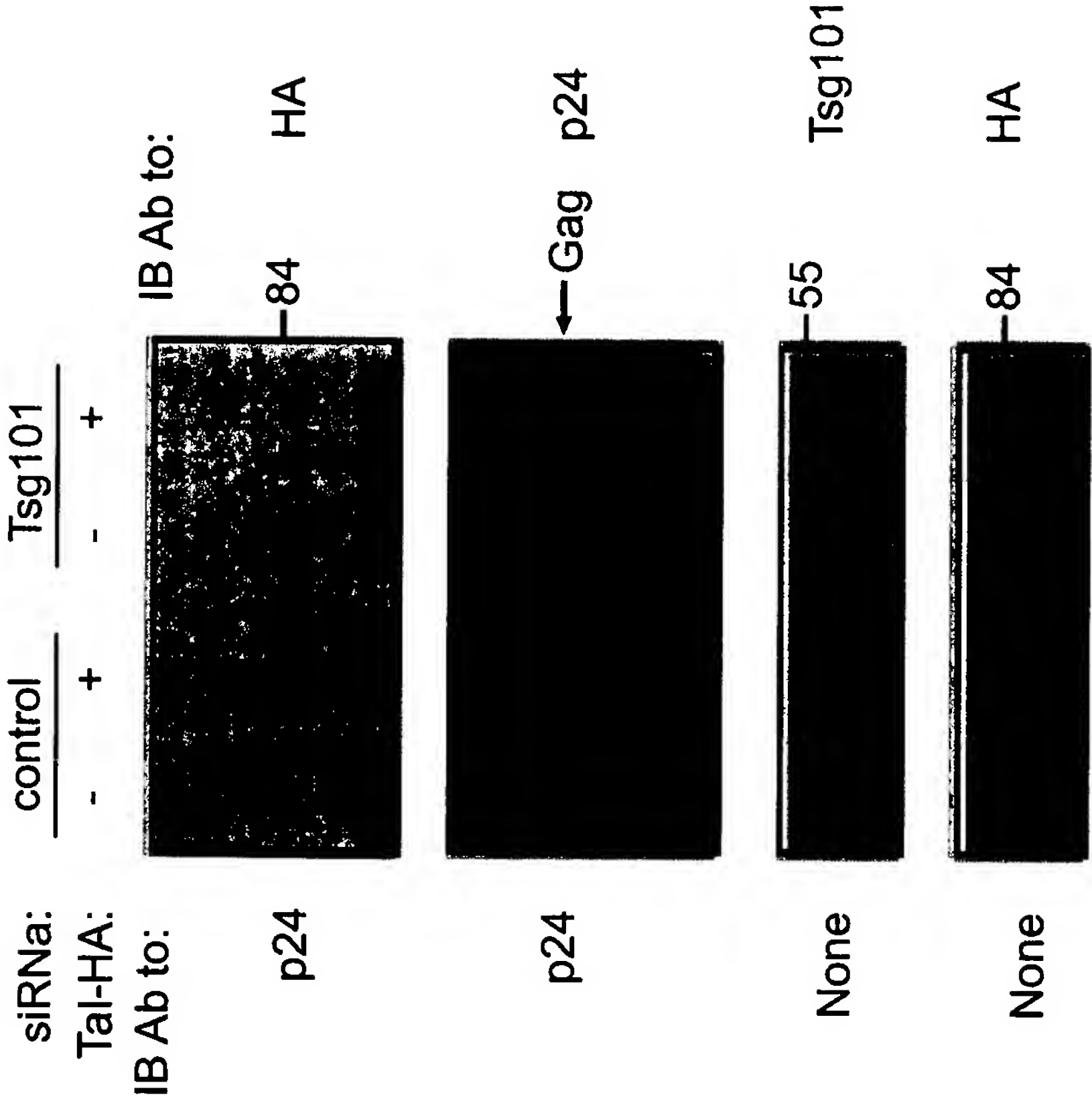


Fig. 7f

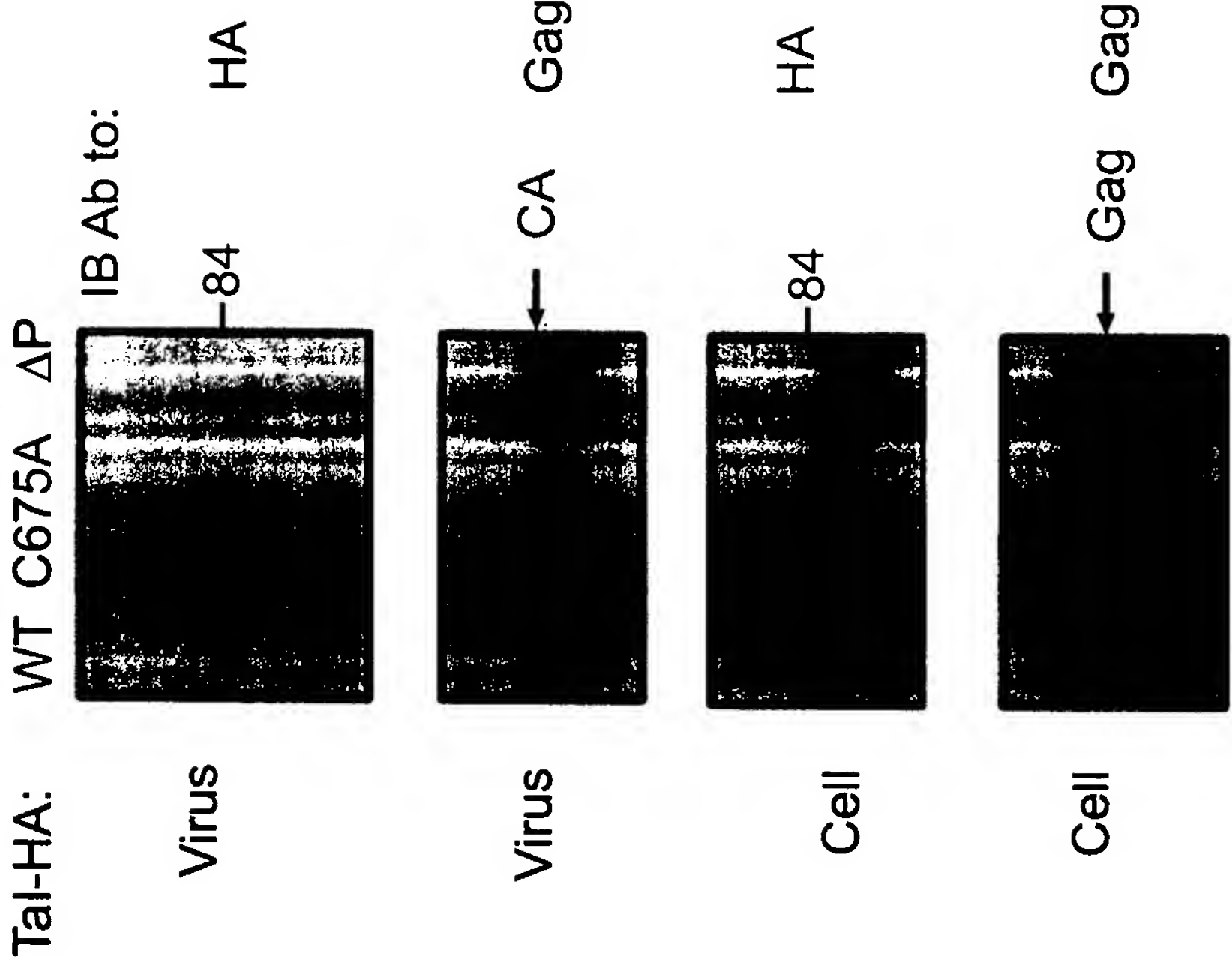
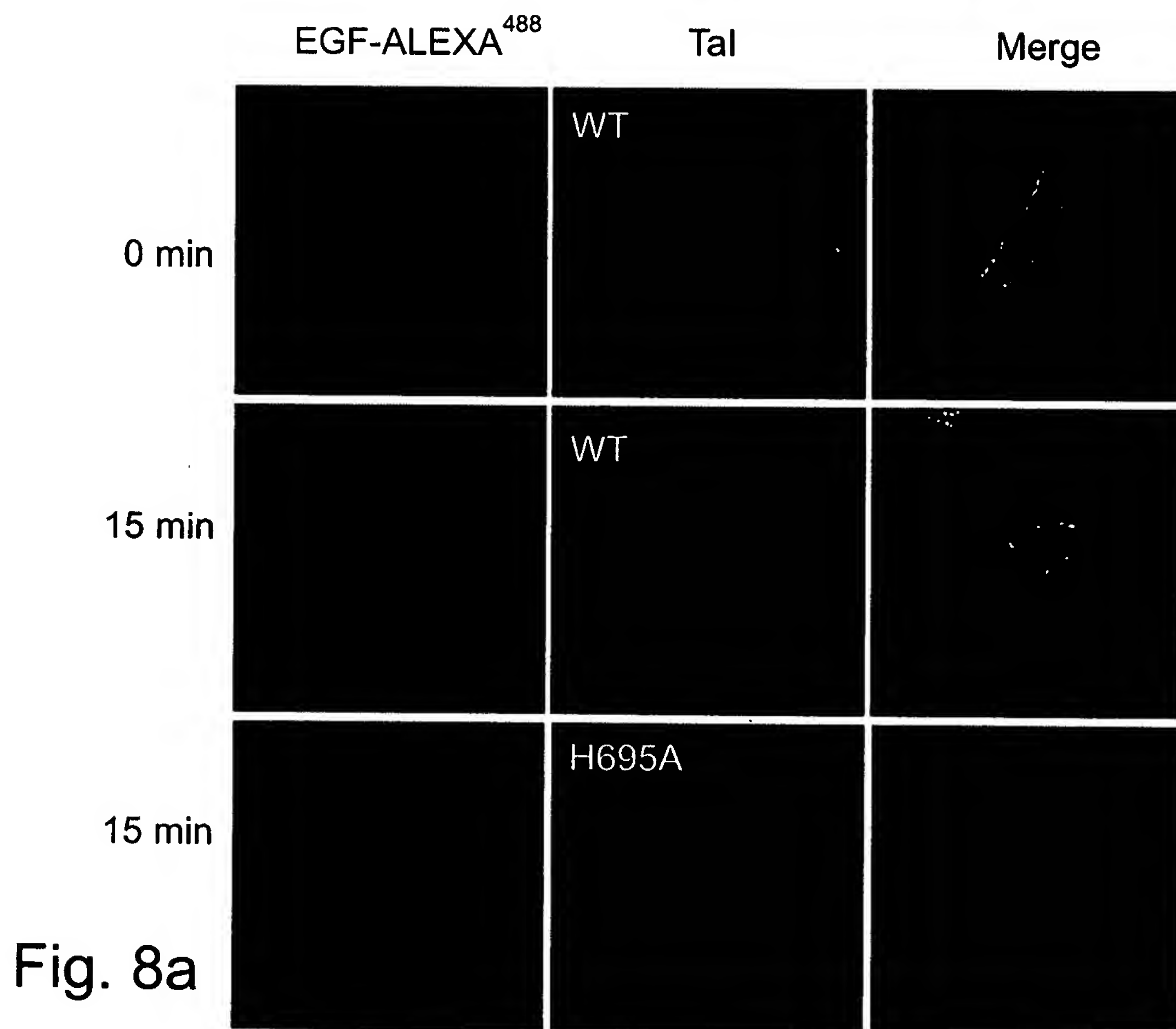
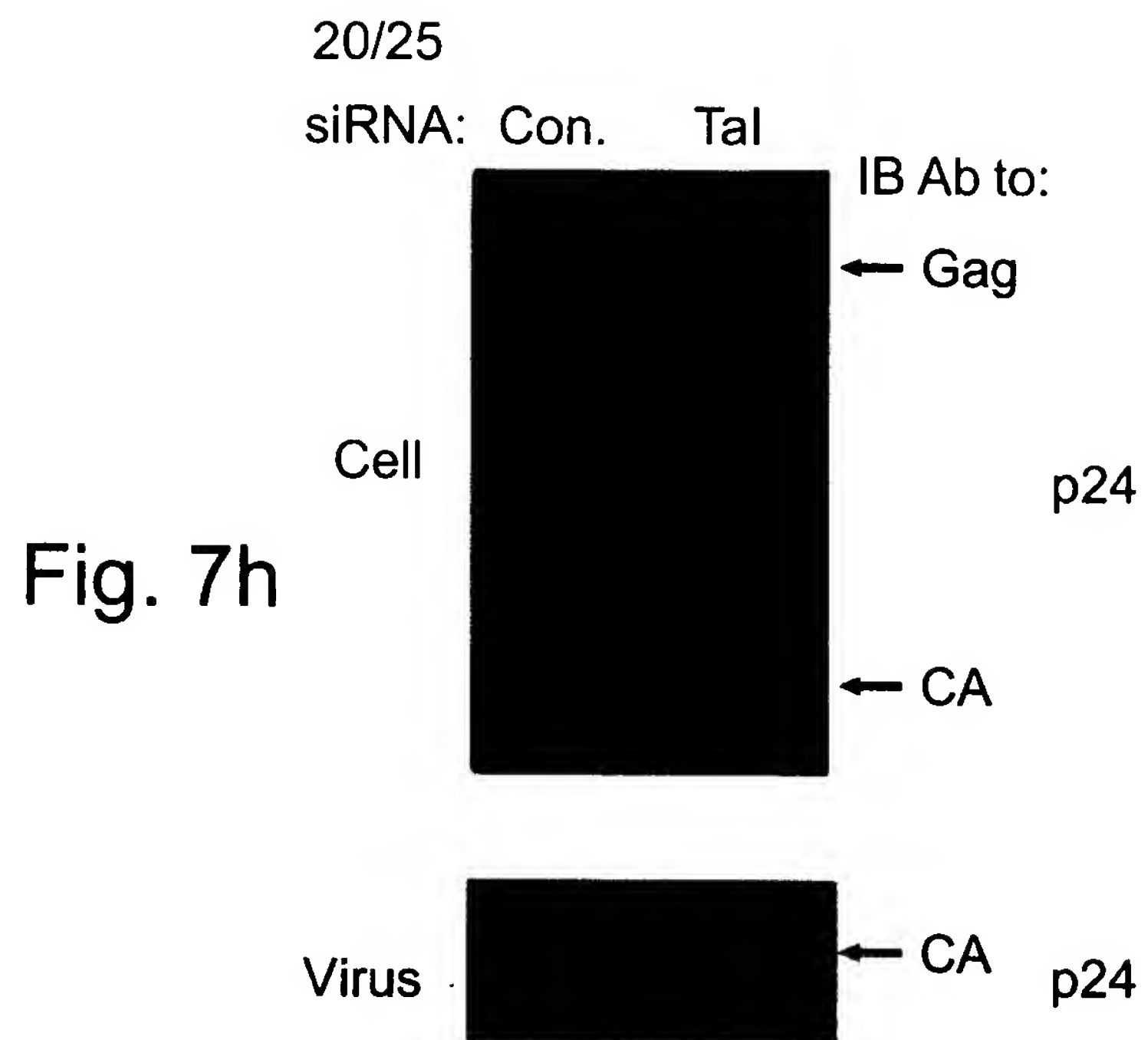


Fig. 7g



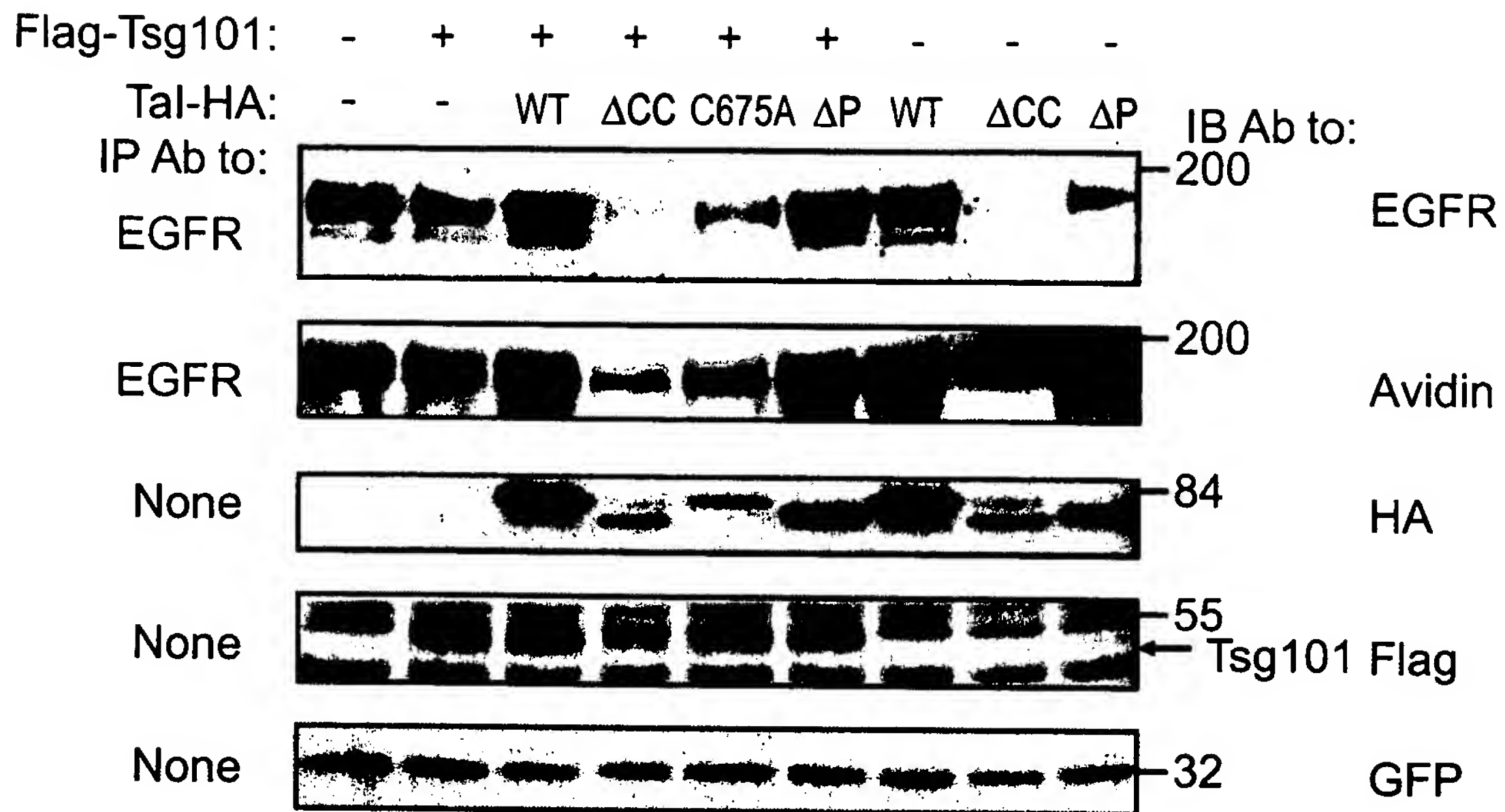


Fig. 8b

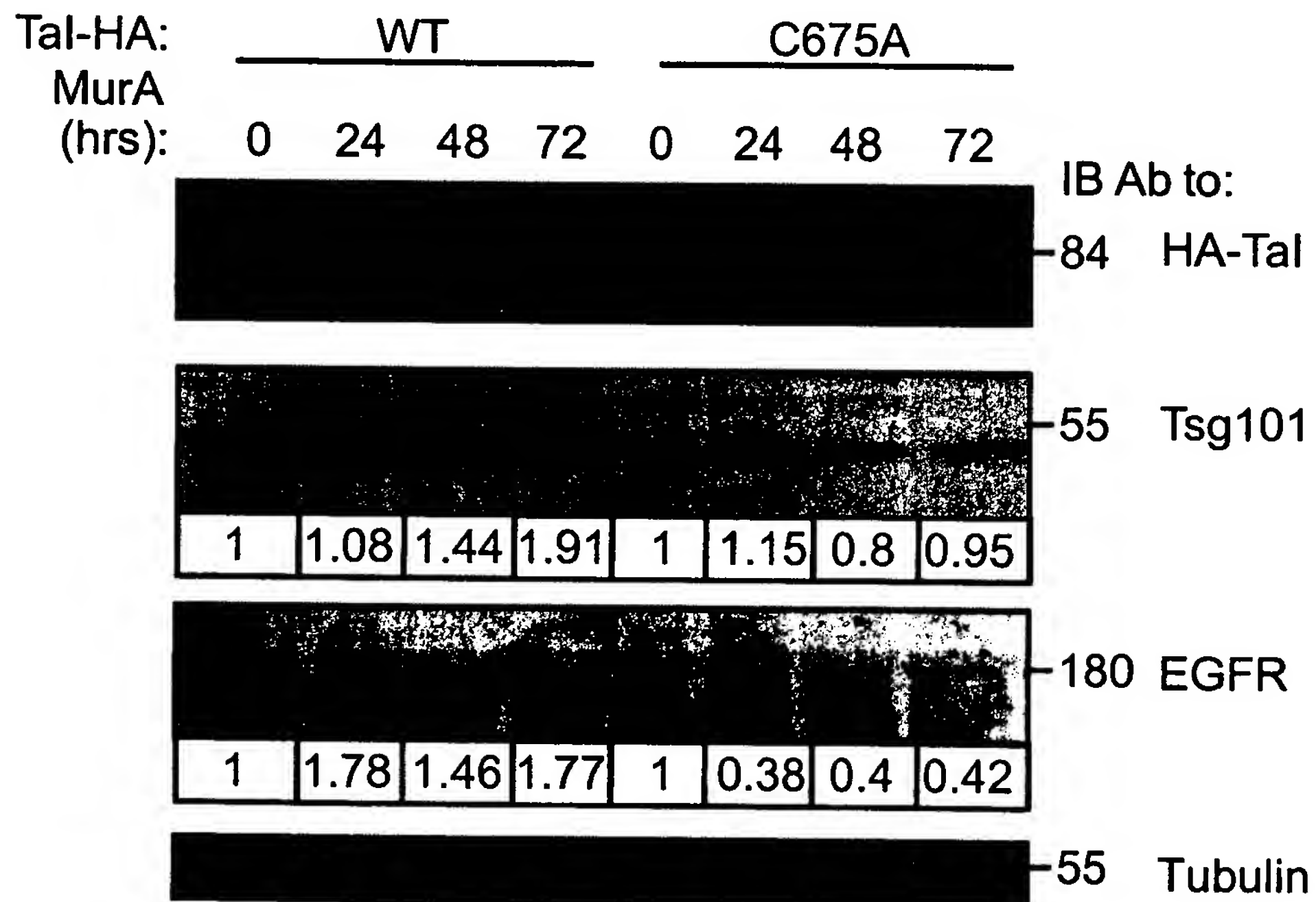


Fig. 8c

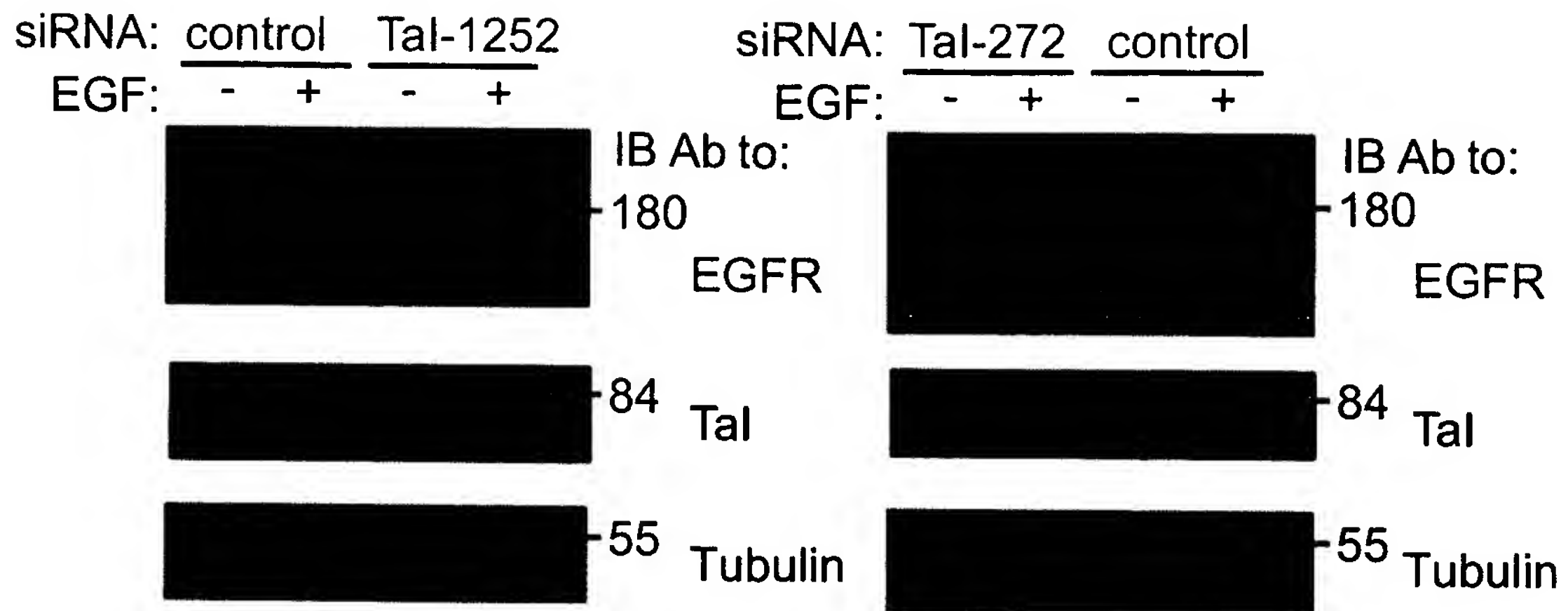


Fig. 8d

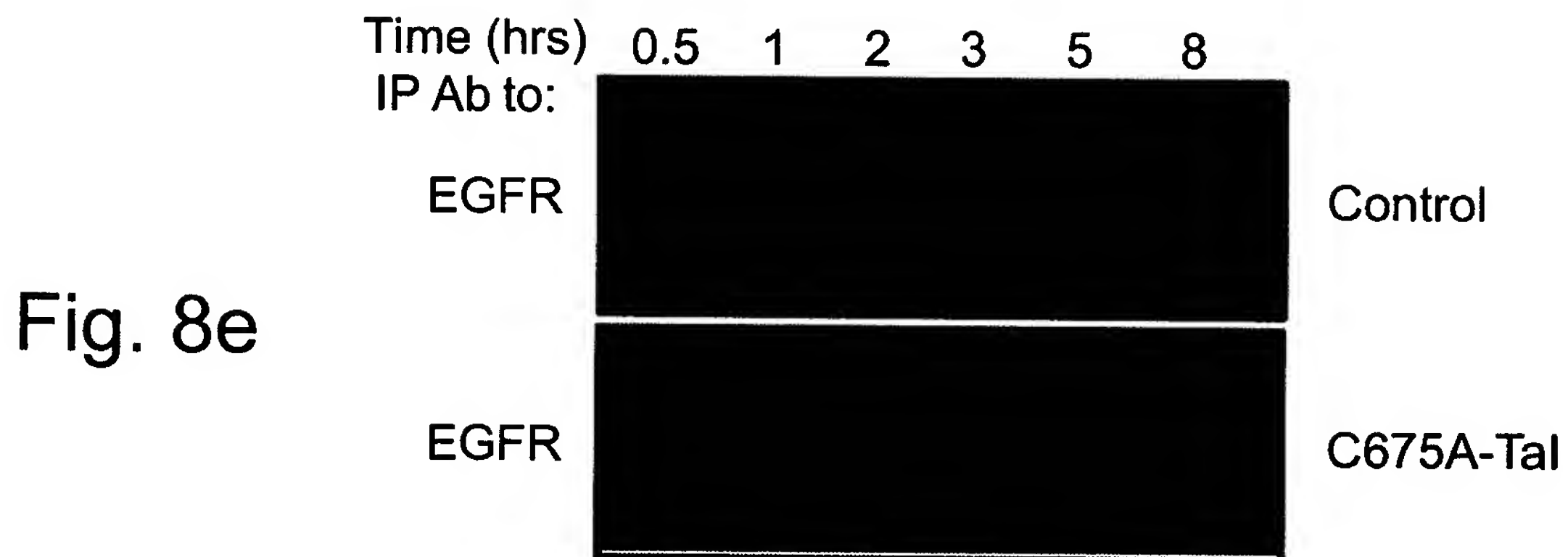
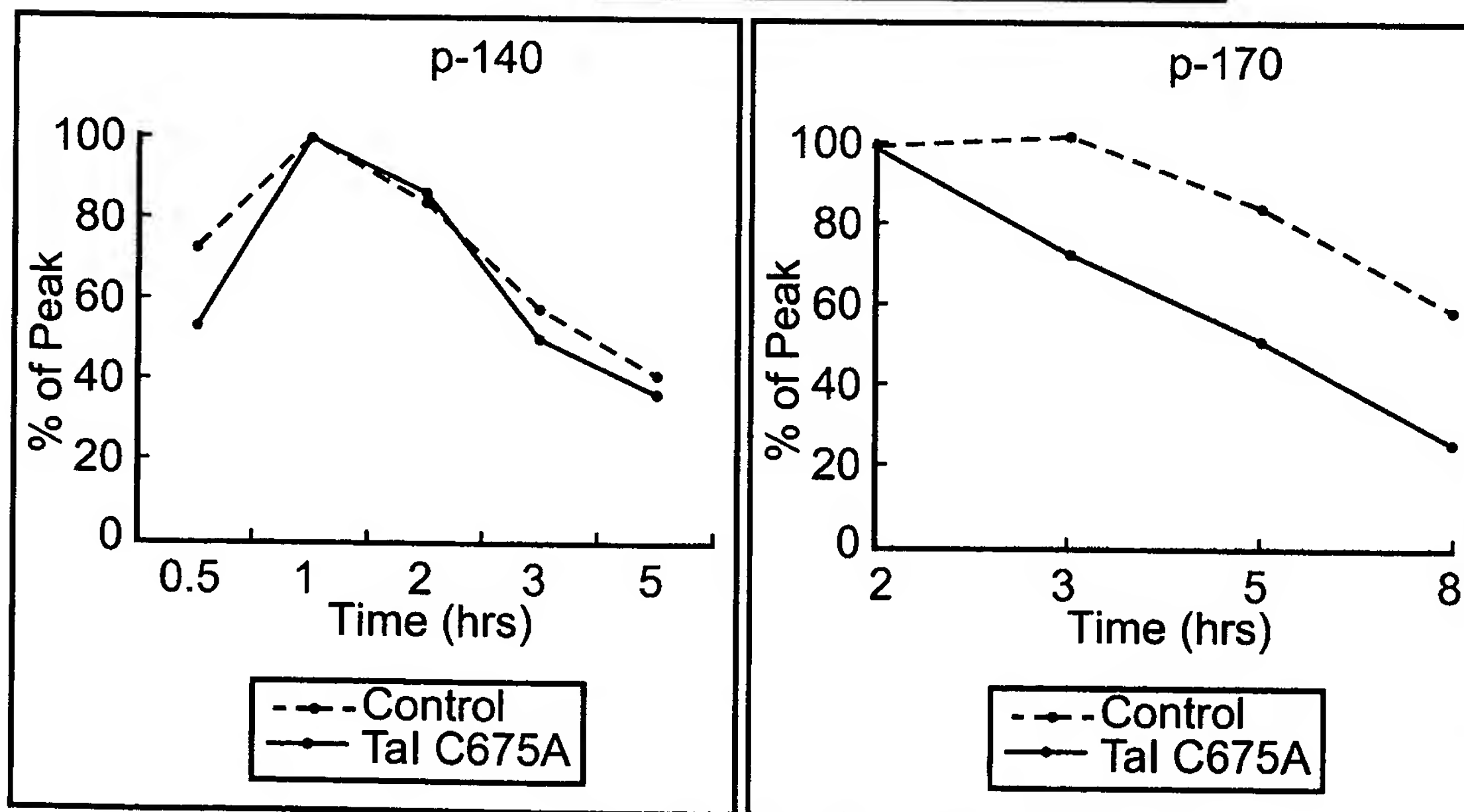


Fig. 8e





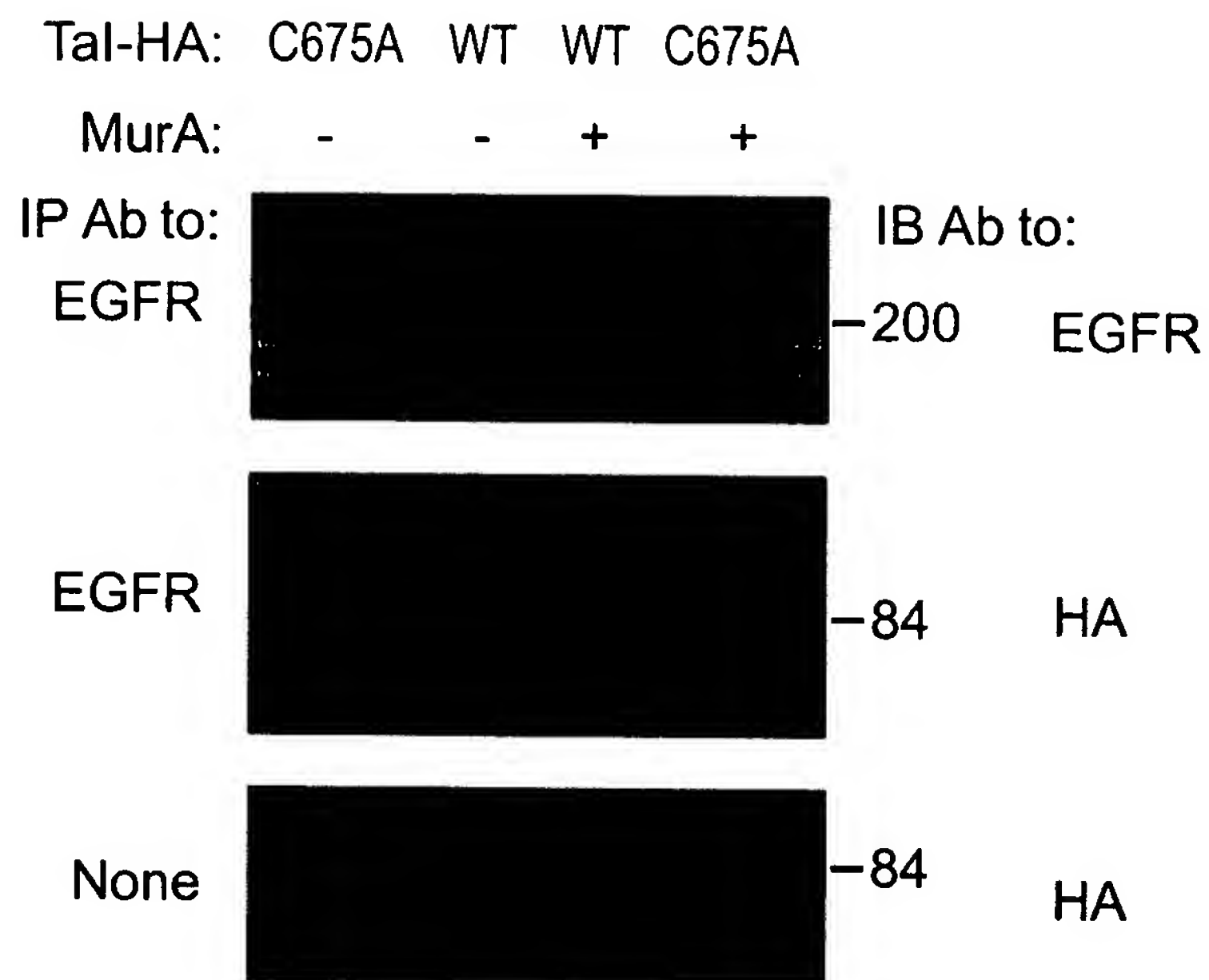


Fig. 8f

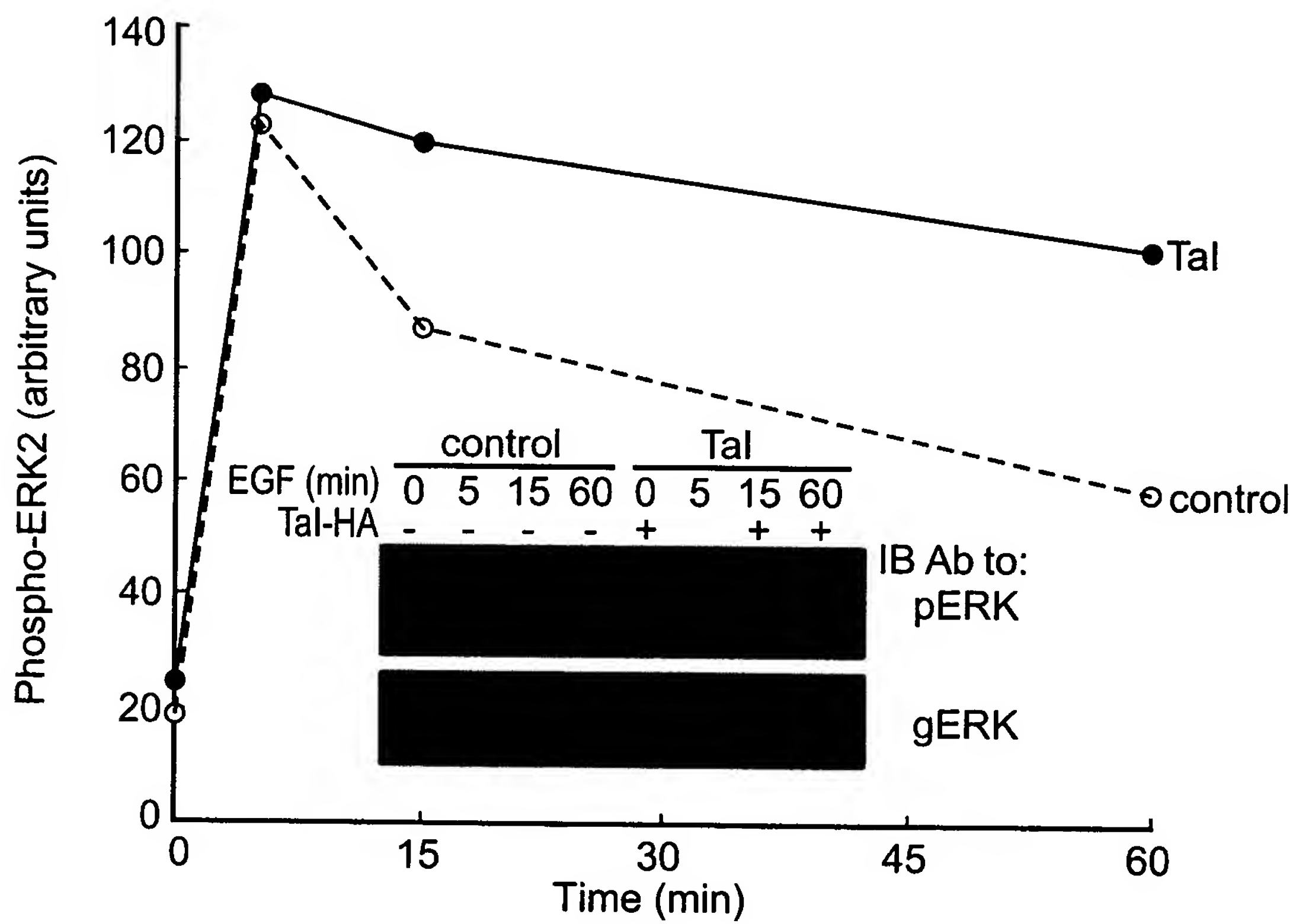


Fig. 8g

**Fig. 9b**

GFP-PTAP:      -      +

IB Ab to:

Cell      p24

← Gag

← CA

Virus      p24

← CA

Cell      31      GFP

Western blot analysis showing HIV-1 Gag and CA in cells and virus. The top panel shows a cell lysate with a strong band for Gag (p24) and a band for CA (31). The bottom panel shows a virus sample with a strong band for CA (p24). The GFP-PTAP treatment (+) results in a strong band for Gag (p24) and a band for CA (31).

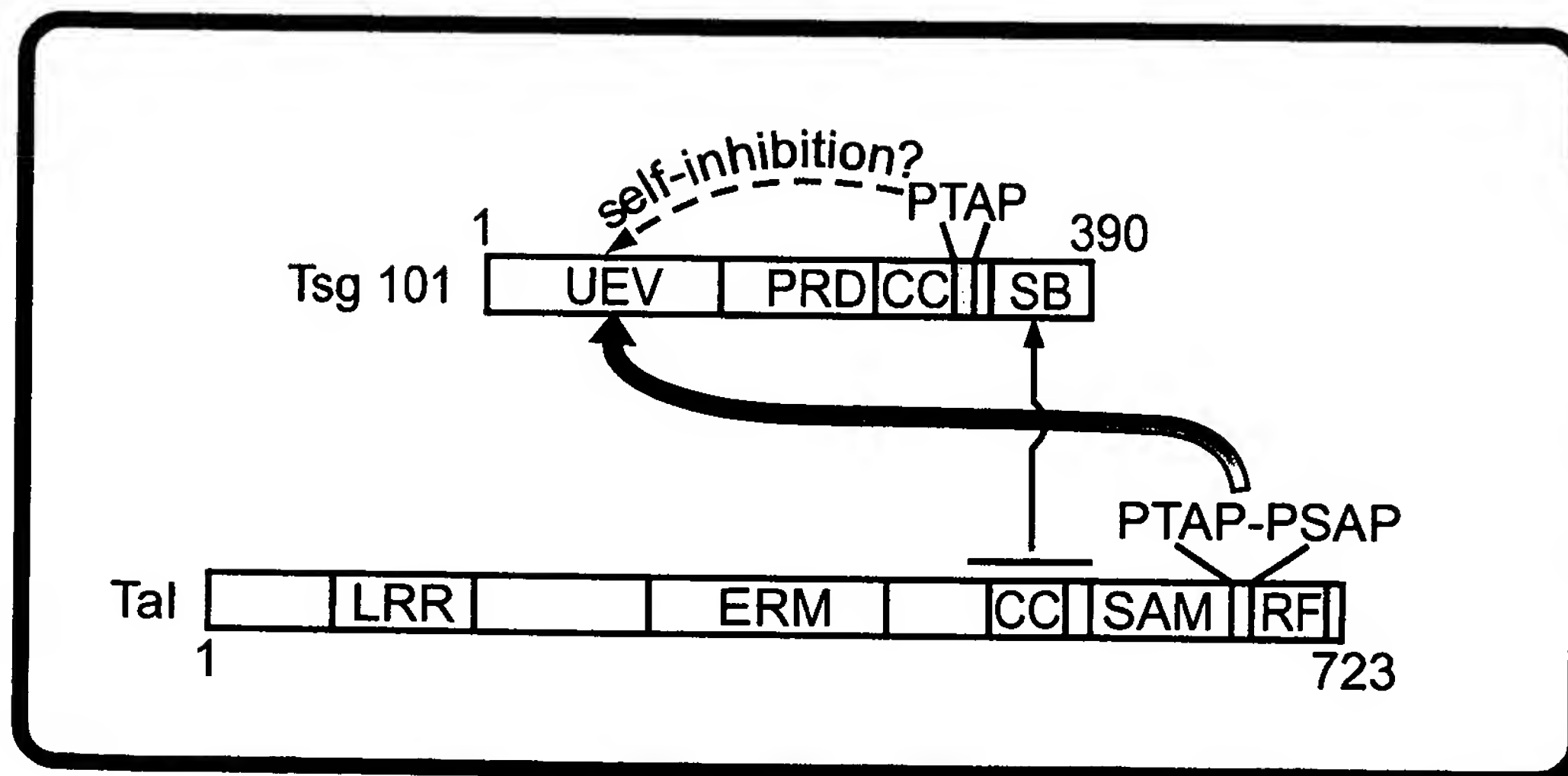


Fig. 10

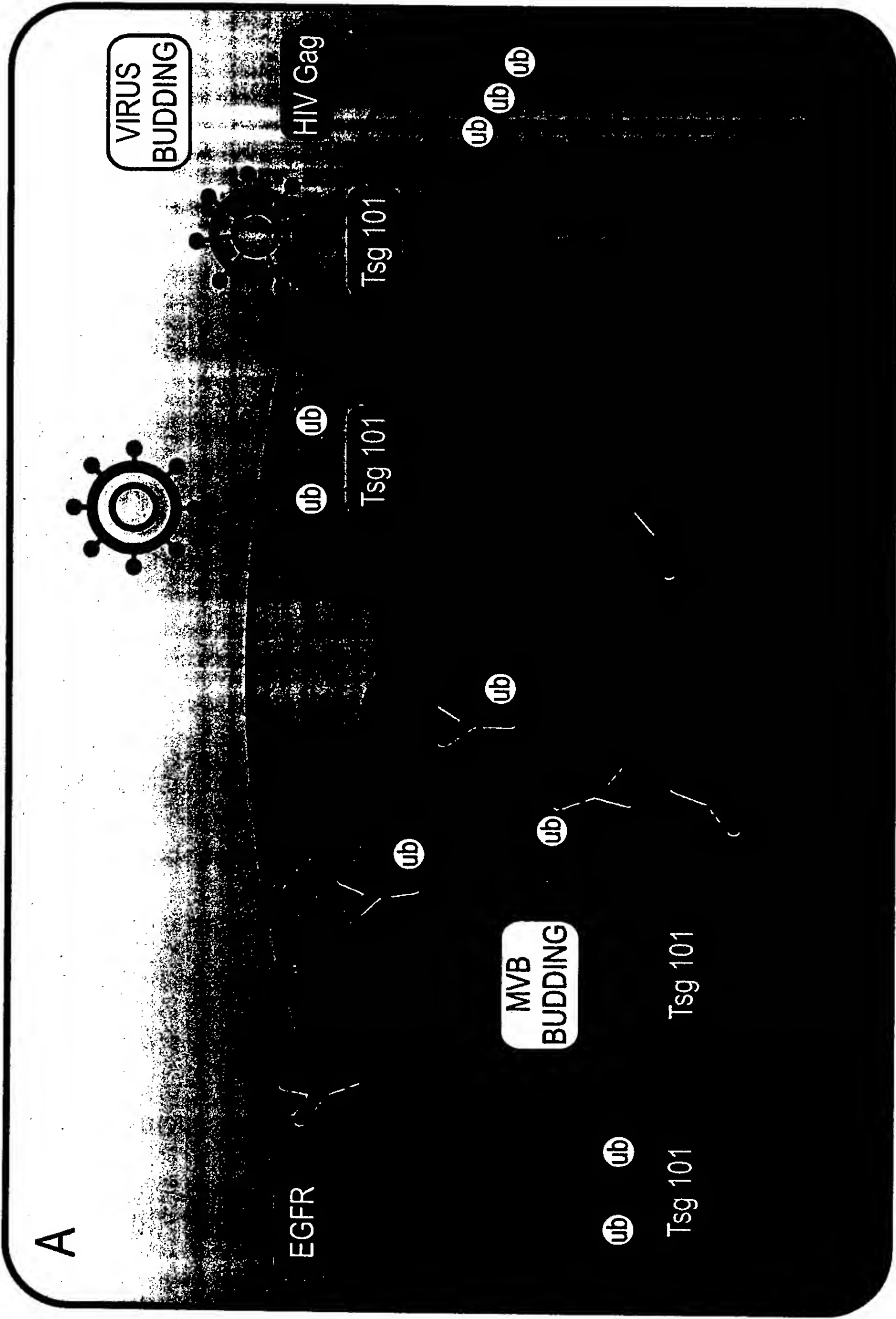


Fig. 11